SOLAR ELECTRIC

KOSTAL

# PLENTICORE G3

## with battery




## Technical Specification

# PLENTICORE G3



| | PLENTICORE G3 | | S | | | M | | | L | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Input side (DC) | Basic power | kW | 4.0 | | | 8.5 | | | 15 | | |
| | Optional power upgrade level 1 [1] | kW | | 5.5 | | | 10 | | | 17.5 | |
| | Optional power upgrade level 2 [1] | kW | | | 7.0 | | | 12.5 | | | 20 |
| | Max. PV power | kWp | 6 | 8.25 | 10.25 | 12.75 | 15 | 18.75 | 22.5 | 26.5 | 30 |
| | Max. PV power per DC input [6] | kW | 6 | 8.25 | 8.25 | 12.75 | 13.5 | 13.5 | 21 | 21 | 21 |
| | Nominal DC power | kW | 4.08 | 5.61 | 7.14 | 8.67 | 10.2 | 12.75 | 15.3 | 17.85 | 20.4 |
| | Start-up input voltage ($U_{DCstart}$) | V | 95 | | | | | | | | |
| | Max. system voltage ($U_{DCmax}$) | V | 1000 | | | | | | | | |
| | MPP range at rated output ($U_{MPPmin}$) [3] | V | 80 | 110 | 140 | 170 | 200 | 250 | 170 | 198 | 227 |
| | MPP range at rated output ($U_{MPPmax}$) [3] | V | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 |
| | Working voltage range ($U_{DCworkmin}$ - $U_{DCworkmax}$) [4] | V | 75...900 | | | | | | | | |
| | Max. input current ($I_{DCmax}$) DC1/DC2 input | A | 17 | | | 17 | | | 30 | | |
| | Max. input current ($I_{DCmax}$) DC3 input | A | 17 | | | 30 | | | 30 | | |
| | Number of DC inputs | | 3 | | | | | | | | |
| | Number of combined DC inputs (PV or battery) | | 1 | | | | | | | | |
| | Number of independent MPP trackers | | 3 | | | | | | | | |
| | DC 3 - Batterieeingang optional | | | | | | | | | | |
| | Min. Working voltage for battery input ($U_{DCworkbatmin}$) | V | 95 | | | | | | | | |
| | Max. Working voltage for battery input ($U_{DCworkbatmax}$) | V | 820 | | | | | | | | |
| | Max. charging/discharging current at battery input | A | 17/17 [7] | | | 30/30 | | | 30/30 | | |
| | Max. battery power DC input | kW | 6 | 8.25 | 8.25 | 12.75 | 13.5 | 13.5 | 21 | 21 | 21 |
| Output side (AC) | Rated power, cos ϕ = 1 ($P_{AC,r}$) | kW | 4.0 | 5.5 | 7.0 | 8.5 | 10 | 12.5 | 15 | 17.5 | 20 |
| | Rated power, cos ϕ = 0.9 ($P_{AC,r}$) [5] | kW | 3.6 | 4.95 | 6.3 | 7.65 | 9 | 11.25 | 13.5 | 15.75 | 18 |
| | Apparent output power ($S_{AC,Nom}$ / $S_{AC,max}$) | kVA | 4.0/ 4.0 | 5.5/ 5.5 | 7.0/ 7.0 | 8.5/ 8.5 | 10/ 10 | 12.5/ 12.5 | 15/ 15 | 17.5/ 17.5 | 20/ 20 |
| | Min. Output voltage ($U_{ACmin}$) | V | 320 | | | | | | | | |
| | Max. Output voltage ($U_{ACmax}$) | V | 460 | | | | | | | | |
| | Max. output current ($I_{ACmax}$) | A | 11.2 | | | 20 | | | 32 | | |
| | Grid connection | | 3N~, 230/400 V, 50 Hz | | | | | | | | |
| | Standby | W | 3.5 | | | | | | | | |
| Backupoperation | Backup power operation | | 3N~, 230/400 V, 51 Hz | | | | | | | | |
| | Nominal output power [2] | kW | 7.0 | | | 12.5 | | | 20 | | |
| | Nominal power per phase | kW | 2.33 | | | 4.16 | | | 6.66 | | |
| | Max. output current per phase | A | 11.2 | | | 20 | | | 32 | | |
| | Start time with manual KOSTAL BackUp Switch | s | <5 | | | | | | | | |
| | Start time with automatic backup box | s | <30 | | | | | | | | |
| | Operating hours in backup mode | h | 5000 | | | | | | | | |
| η | Max. efficiency | % | 98.03 | | | 98.14 | | | 98.21 | | |
| | European efficiency | % | 97.20 | | | 97.49 | | | 97.72 | | |
| System data | Protection class according to IEC 60529 | | IP 65 | | | | | | | | |
| | Height/width/depth | mm | 561 / 409 / 237 | | | | | | | | |
| | Weight | kg | 21.8 | | | 22.3 | | | 24.3 | | |
| | Ambient temperature | °C | -20…60 | | | | | | | | |
| | Connection technology, DC side | | SUNCLIX plug | | | | | | | | |
| | Directives/Certification [2] | | CE, GS, CEI 0-21, C10/11, EN 62109-1, EN 62109-2, EN 60529, EN 50438, EN 50549-1, NA/EEA, G98, G99, EIFS2018, IEC 61727, IEC 62116, RD 1699, RD 647, RFG, TOR Erzeuger, UNE 206006, UNE 206007-1, VDE 0126-1-1, VDE-AR-N 4105, VDE-AR-N 4110, VJV2018 | | | | | | | | |

[1] Optional battery and power upgrade available for a fee from your wholesaler.
[2] Nominal output power: The actual output power depends on the system and storage size.
[3] MPP range at rated output: Outside the MPP range, MPP control takes place below the nominal power. Based on full occupancy of all MPP trackers.
[4] Working voltage range: No feed-in takes place outside the working voltage range.
[5] Nominal power defined for Italy
[6] From SW 3.06.00
[7] Limited charge/discharge current 7.1–17 A (in the voltage range 75–175 V)

# PLENTICORE G3 with KOSTAL HELIVOR HV



| | KOSTAL HELIVOR HV | | 6.4 | 9.6 | 12.8 | 16 | 19.2 | 22.4 | 25.6 | 28.8 |
|---|---|---|---|---|---|---|---|---|---|---|
| System data | Modul type | | Li-Ion LFP, 3.2 kWh, 64 V, 50 Ah, 36.4 kg | | | | | | | |
| | Max. Charging/discharging current battery system | A | 50/50 | | | | | | | |
| | Max. Charging/discharging current battery input PLENTICORE S G3 | A | 17/17[3] | | | | | | | |
| | Max. Power consumption with PLENTICORE S G3 - 4.0 | kW | 2.0 | 3.3 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| | Max. Power consumption with PLENTICORE S G3 - 5.5 | kW | 2.0 | 3.3 | 4.4[2] | 5.4[2] | 5.5[2] | 5.5[2] | 5.5[2] | 5.5[2] |
| | Max. Power consumption with PLENTICORE S G3 - 7.0 | kW | 2.0 | 3.3 | 4.4[2] | 5.4[2] | 6.5[2] | 7.0[2] | 7.0[2] | 7.0[2] |
| | Max. Charging/discharging current battery input PLENTICORE M G3 | A | 30/30 | | | | | | | |
| | Max. Power consumption with PLENTICORE M G3 - 8.5 | kW | 3.8 | 5.8[2] | 7.7[2] | 8.5[2] | 8.5[2] | 8.5[2] | 8.5[2] | 8.5[2] |
| | Max. Power consumption with PLENTICORE M G3 - 10 | kW | 3.8 | 5.8[2] | 7.7[2] | 9.6[2] | 10.0[2] | 10.0[2] | 10.0[2] | 10.0[2] |
| | Max. Power consumption with PLENTICORE M G3 - 12.5 | kW | 3.8 | 5.8[2] | 7.7[2] | 9.6[2] | 11.5[2] | 12.5[2] | 12.5[2] | 12.5[2] |
| | Max. Charging/discharging current battery input PLENTICORE L G3 | A | 30/30 | | | | | | | |
| | Max. Power consumption with PLENTICORE L G3 - 15 | kW | 3.8 | 5.8[2] | 7.7[2] | 9.6[2] | 11.5[2] | 13.4[2] | 15,0[2] | 15,0[2] |
| | Max. Power consumption with PLENTICORE L G3 - 17.5 | kW | 3.8 | 5.8[2] | 7.7[2] | 9.6[2] | 11.5[2] | 13.4[2] | 15,4[2] | 17,3[2] |
| | Max. Power consumption with PLENTICORE L G3 - 20 | kW | 3.8 | 5.8[2] | 7.7[2] | 9.6[2] | 11.5[2] | 13.4[2] | 15,4[2] | 17,3[2] |
| | Usable capacity 95% DoD[1] | kWh | 6.1 | 9.1 | 12.2 | 15.2 | 18.2 | 21.3 | 24,3 | 27,4 |
| | Usable capacity 100% DoD[1] | kWh | 6.4 | 9.6 | 12.8 | 16.0 | 19.2 | 22.4 | 25,6 | 28,8 |
| | Number of battery modules | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | Nominal voltage | V | 128 | 192 | 256 | 320 | 384 | 448 | 512 | 576 |
| | Voltage range | V | 120-146[3] | 180-219 | 240-292 | 300-365 | 360-438 | 420-511 | 480-584 | 540-657 |
| | Interface to inverter | | RS485 | | | | | | | |
| | Height | mm | 670 | 860 | 1050 | 1240 | 1430 | 1620 | 1810 | 2000 |
| | Width/depth | mm | 610/240 | | | | | | | |
| | Weight | kg | 93 | 129 | 166 | 202 | 238 | 275 | 311 | 348 |
| | Ambient temperature | °C | -10...55 | | | | | | | |
| | IP protection class | | IP 65 | | | | | | | |
| | Certification / Safety Standard | | CE / IEC 62619 / UN 38.3 / VDE-AR-E 2510-50 | | | | | | | |

1) According to the battery manufacturer
2) Due to §14a (controllable consumers), please note that in Germany certain inverter/battery combinations must be externally controllable by the energy supplier so that the maximum possible battery charging capacity from the grid does not exceed 4.2 kWh. Further information on this can be found in the inverter operating instructions under 'External battery control via digital inputs'
3) Limited charge/discharge current 11.5–14.1 A (in the voltage range 120–146 V)

# PLENTICORE G3 with AXITEC AXIstorage Li SV1



| | AXITEC AXIstorage Li SV1 | | SV1 10.1[3] | SV1 13.5[3] | SV1 16.9[3] | SV1 20.2[3] | SV1 23.6[3] |
|---|---|---|---|---|---|---|---|
| System data | Modul type | | Li-Ion LFP 3.552 kWh, 48 V, 74 Ah, 36 kg | | | | |
| | Max. Charging/discharging current battery system | A | 40/40 | | | | |
| | Max. Charging/discharging current battery input PLENTICORE S G3 | A | 17/17 | | | | |
| | Max. Power consumption with PLENTICORE S G3 - 4.0 | kW | 2.4 | 3.3 | 4.0 | 4.0 | 4.0 |
| | Max. Power consumption with PLENTICORE S G3 - 5.5 | kW | 2.4 | 3.3 | 4.1 | 4.9[2] | 5.5[2] |
| | Max. Power consumption with PLENTICORE S G3 - 7.0 | kW | 2.4 | 3.3 | 4.1 | 4.9[2] | 5.7[2] |
| | Max. Charging/discharging current battery input PLENTICORE M G3 | A | 30/30 | | | | |
| | Max. Power consumption with PLENTICORE M G3 - 8.5 | kW | 4.3[2] | 5.8[2] | 7.2[2] | 8.5[2] | 8.5[2] |
| | Max. Power consumption with PLENTICORE M G3 - 10 | kW | 4.3[2] | 5.8[2] | 7.2[2] | 8.6[2] | 10.0[2] |
| | Max. Power consumption with PLENTICORE M G3 - 12.5 | kW | 4.3[2] | 5.8[2] | 7.2[2] | 8.6[2] | 10.1[2] |
| | Max. Charging/discharging current battery input PLENTICORE L G3 | A | 30/30 | | | | |
| | Max. Power consumption with PLENTICORE L G3 - 15 | kW | 4.3[2] | 5.8[2] | 7.2[2] | 8.6[2] | 10.1[2] |
| | Max. Power consumption with PLENTICORE L G3 - 17.5 | kW | 4.3[2] | 5.8[2] | 7.2[2] | 8.6[2] | 10.1[2] |
| | Max. Power consumption with PLENTICORE L G3 - 20 | kW | 4.3[2] | 5.8[2] | 7.2[2] | 8.6[2] | 10.1[2] |
| | Usable capacity 95% DoD[1] | kWh | 10.1 | 13.5 | 16.9 | 20.2 | 23.6 |
| | Usable capacity 100% DoD[1] | kWh | 10.7 | 14.2 | 17.8 | 21.3 | 24.9 |
| | Number of battery modules | | 3 | 4 | 5 | 6 | 7 |
| | Nominal voltage | V | 144 | 192 | 240 | 288 | 336 |
| | Voltage range | V | 130.5-162 | 174-216 | 217.5-270 | 261-324 | 304.5-378 |
| | Interface to inverter | | RS485 | | | | |
| | Height | mm | 700 | 870 | 1040 | 1210 | 1380 |
| | Width/depth | mm | 600/380 | | | | |
| | Weight | kg | 122 | 158 | 194 | 230 | 266 |
| | Ambient temperature | °C | 0...50 | | | | |
| | IP protection class | | IP 55 | | | | |
| | Certification / Safety Standard | | VDE2510-50, IEC62619, IEC62477-1, IEC62040-1, CEC, CE, UN38.3, EN 61000-6-2, EN 61000-6-3 | | | | |

1) According to the battery manufacturer
2) Due to §14a (controllable consumers), please note that in Germany certain inverter/battery combinations must be externally controllable by the energy supplier so that the maximum possible battery charging capacity from the grid does not exceed 4.2 kWh. Further information on this can be found in the inverter operating instructions under 'External battery control via digital inputs'
3) Axitec AXIstorage Li SV1 battery compatible with BMS module: Li SV1 BMS with article number: AY10785

# PLENTICORE G3 with AXITEC AXIstorage Li SV2



| | AXITEC AXIstorage Li SV2 | | SV2 6.7[3] | SV2 10.1[3] | SV2 13.5[3] | SV2 16.9[3] |
|---|---|---|---|---|---|---|
| System data | Modul type | | Li-Ion LFP 3.552 kWh, 96 V, 37 Ah, 35 kg | | | |
| | Max. Charging/discharging current battery system | A | 40/40 | | | |
| | Max. Charging/discharging current battery input PLENTICORE S G3 | A | 17/17 | | | |
| | Max. Power consumption with PLENTICORE S G3 - 4.0 | kW | 3.3 | 4.0 | 4.0 | 4.0 |
| | Max. Power consumption with PLENTICORE S G3 - 5.5 | kW | 3.3[2] | 4.9[2] | 5.5[2] | 5.5[2] |
| | Max. Power consumption with PLENTICORE S G3 - 7.0 | kW | 3.3[2] | 4.9[2] | 6.5[2] | 7.0[2] |
| | Max. Charging/discharging current battery input PLENTICORE M G3 | A | 30/30 | | | |
| | Max. Power consumption with PLENTICORE M G3 - 8.5 | kW | 5.8[2] | 8.5[2] | 8.5[2] | 8.5[2] |
| | Max. Power consumption with PLENTICORE M G3 - 10 | kW | 5.8[2] | 8.6[2] | 10.0[2] | 10.0[2] |
| | Max. Power consumption with PLENTICORE M G3 - 12.5 | kW | 5.8[2] | 8.6[2] | 11.5[2] | 12.5[2] |
| | Max. Charging/discharging current battery input PLENTICORE L G3 | A | 30/30 | | | |
| | Max. Power consumption with PLENTICORE L G3 - 15 | kW | 5.8[2] | 8.6[2] | 11.5[2] | 14.4[2] |
| | Max. Power consumption with PLENTICORE L G3 - 17.5 | kW | 5.8[2] | 8.6[2] | 11.5[2] | 14.4[2] |
| | Max. Power consumption with PLENTICORE L G3 - 20 | kW | 5.8[2] | 8.6[2] | 11.5[2] | 14.4[2] |
| | Usable capacity 95% DoD[1] | kWh | 6.7 | 10.1 | 13.5 | 16.9 |
| | Usable capacity 100% DoD[1] | kWh | 7.1 | 10.7 | 14.2 | 17.8 |
| | Number of battery modules | | 2 | 3 | 4 | 5 |
| | Nominal voltage | V | 192 | 288 | 384 | 480 |
| | Voltage range | V | 174-216 | 261-324 | 261-324 | 435-540 |
| | Interface to inverter | | RS485 | | | |
| | Height | mm | 822 | 1118 | 1414 | 1710 |
| | Width/depth | mm | 450/296 | | | |
| | Weight | kg | 82 | 117 | 152 | 188 |
| | Ambient temperature | °C | 0...50 | | | |
| | IP protection class | | IP 55 | | | |
| | Certification / Safety Standard | | VDE2510-50, IEC62619, IEC62477-1, IEC62040-1, CEC, CE, UN38.3, EN 61000-6-2, EN 61000-6-3 | | | |

1) According to the battery manufacturer
2) Due to §14a (controllable consumers), please note that in Germany certain inverter/battery combinations must be externally controllable by the energy supplier so that the maximum possible battery charging capacity from the grid does not exceed 4.2 kWh. Further information on this can be found in the inverter operating instructions under 'External battery control via digital inputs'
3) Axitec AXIstorage Li SV2 battery compatible with BMS module: Li SV2 BMS with article number: AY10786

# PLENTICORE G3 with BYD Battery-Box HV



| | BYD Battery-Box HV | | H 6.4 | H 7.7 | H 9.0 | H 10.2 | H 11.5 |
|---|---|---|---|---|---|---|---|
| System data | Modul type | | HV (High Voltage) 51.2 V, 25 Ah,1.28 kWh, 25 kg, $LiFePO_4$ | | | | |
| | Max. Charging/discharging current battery system | A | 25/25 | | | | |
| | Max. Charging/discharging current battery input PLENTICORE S G3 | A | 17/17 | | | | |
| | Max. Power consumption with PLENTICORE S G3 - 4.0 | kW | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| | Max. Power consumption with PLENTICORE S G3 - 5.5 | kW | 4.4[2)] | 5.2[2)] | 5.5[2)] | 5.5[2)] | 5.5[2)] |
| | Max. Power consumption with PLENTICORE S G3 - 7.0 | kW | 4.4[2)] | 5.2[2)] | 6.1[2)] | 7.0[2)] | 7.0[2)] |
| | Max. Charging/discharging current battery input PLENTICORE M G3 | A | 30/30 | | | | |
| | Max. Power consumption with PLENTICORE M G3 - 8.5 | kW | 6.4[2)] | 7.7[2)] | 8.5[2)] | 8.5[2)] | 8.5[2)] |
| | Max. Power consumption with PLENTICORE M G3 - 10 | kW | 6.4[2)] | 7.7[2)] | 9.0[2)] | 10.0[2)] | 10.0[2)] |
| | Max. Power consumption with PLENTICORE M G3 - 12.5 | kW | 6.4[2)] | 7.7[2)] | 9.0[2)] | 10.2[2)] | 11.5[2)] |
| | Max. Charging/discharging current battery input PLENTICORE L G3 | A | 30/30 | | | | |
| | Max. Power consumption with PLENTICORE L G3 - 15 | kW | 6.4[2)] | 7.7[2)] | 9.0[2)] | 10.2[2)] | 11.5[2)] |
| | Max. Power consumption with PLENTICORE L G3 - 17.5 | kW | 6.4[2)] | 7.7[2)] | 9.0[2)] | 10.2[2)] | 11.5[2)] |
| | Max. Power consumption with PLENTICORE L G3 - 20 | kW | 6.4[2)] | 7.7[2)] | 9.0[2)] | 10.2[2)] | 11.5[2)] |
| | Usable capacity 95% DoD[1)] | kWh | 6.1 | 7.3 | 8.6 | 9.7 | 10.9 |
| | Usable capacity 100% DoD[1)] | kWh | 6.4 | 7.7 | 9.0 | 10.2 | 11.5 |
| | Number of battery modules | | 5 | 6 | 7 | 8 | 9 |
| | Nominal voltage | V | 256 | 307 | 358 | 409 | 460 |
| | Voltage range | V | 200-282 | 240-338 | 280-395 | 320-451 | 360-500 |
| | Interface to inverter | | RS485 | | | | |
| | Height | mm | 894 | 1014 | 1134 | 1254 | 1374 |
| | Width/depth | mm | 580/380 | | | | |
| | Weight | kg | 148 | 174 | 200 | 226 | 252 |
| | Ambient temperature | °C | -10…50 | | | | |
| | IP protection class | | IP 55 | | | | |
| | Certification / Safety Standard | | CE, UL1642, TÜV (IEC62619), RCM, UN38.3 | | | | |

1) According to the battery manufacturer
2) Due to §14a (controllable consumers), please note that in Germany certain inverter/battery combinations must be externally controllable by the energy supplier so that the maximum possible battery charging capacity from the grid does not exceed 4.2 kWh. Further information on this can be found in the inverter operating instructions under 'External battery control via digital inputs'

# PLENTICORE G3 with BYD Battery-Box Premium HVS/HVM



| | BYD Battery-Box Premium | | HVS 5.1 | HVS 7.7 | HVS 10.2 | HVS 12.8 | HVM 8.3 | HVM 11.0 | HVM 13.8 | HVM 16.6 | HVM 19.3 | HVM 22.1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| System data | Modul type | | $LiFePO_4$ 2.56kWh, 102.4V, 25Ah, 38kg | | | | $LiFePO_4$ 2.76kWh, 51.2V, 53Ah, 38kg, | | | | | |
| | Max. Charging/discharging current battery system | A | 25/25 | | | | 50/50 | | | | | |
| | Max. Charging/discharging current battery input PLENTICORE S G3 | A | 17/17 | | | | | | | | | |
| | Max. Power consumption with PLENTICORE S G3 - 4.0 | kW | 3.5 | 4.0 | 4.0 | 4.0 | 2.6 | 3.5 | 4.0 | 4.0 | 4.0 | 4.0 |
| | Max. Power consumption with PLENTICORE S G3 - 5.5 | kW | 3.5 | 5.2[2] | 5.5[2] | 5.5[2] | 2.6 | 3.5 | 4.4[2] | 5.5[2] | 5.5[2] | 5.5[2] |
| | Max. Power consumption with PLENTICORE S G3 - 7.0 | kW | 3.5 | 5.2[2] | 7.0[2] | 7.0[2] | 2.6 | 3.5 | 4.4[2] | 6.1[2] | 7.0[2] | 7.0[2] |
| | Max. Charging/discharging current battery input PLENTICORE M G3 | A | 30/30 | | | | | | | | | |
| | Max. Power consumption with PLENTICORE M G3 - 8.5 | kW | 5.1[2] | 7.7[2] | 8.5[2] | 8.5[2] | 4.6[2] | 6.1[2] | 7.7[2] | 8.5[2] | 8.5[2] | 8.5[2] |
| | Max. Power consumption with PLENTICORE M G3 - 10 | kW | 5.1[2] | 7.7[2] | 10.0[2] | 10.0[2] | 4.6[2] | 6.1[2] | 7.7[2] | 9.2[2] | 10.0[2] | 10.0[2] |
| | Max. Power consumption with PLENTICORE M G3 - 12.5 | kW | 5.1[2] | 7.7[2] | 10.2[2] | 12.5[2] | 4.6[2] | 6.1[2] | 7.7[2] | 9.2[2] | 10.7[2] | 12.3[2] |
| | Max. Charging/discharging current battery input PLENTICORE L G3 | A | 30/30 | | | | | | | | | |
| | Max. Power consumption with PLENTICORE L G3 - 15 | kW | 5.1[2] | 7.7[2] | 10.2[2] | 12.8[2] | 4.6[2] | 6.1[2] | 7.7[2] | 9.2[2] | 10.7[2] | 12.3[2] |
| | Max. Power consumption with PLENTICORE L G3 - 17.5 | kW | 5.1[2] | 7.7[2] | 10.2[2] | 12.8[2] | 4.6[2] | 6.1[2] | 7.7[2] | 9.2[2] | 10.7[2] | 12.3[2] |
| | Max. Power consumption with PLENTICORE L G3 - 20 | kW | 5.1[2] | 7.7[2] | 10.2[2] | 12.8[2] | 4.6[2] | 6.1[2] | 7.7[2] | 9.2[2] | 10.7[2] | 12.3[2] |
| | Usable capacity 95% DoD[1] | kWh | 4.9 | 7.3 | 9.7 | 12.2 | 7.9 | 10.5 | 13.1 | 15.7 | 18.4 | 21.0 |
| | Usable capacity 100% DoD[1] | kWh | 5.1 | 7.7 | 10.2 | 12.8 | 8.3 | 11.0 | 13.8 | 16.6 | 19.3 | 22.1 |
| | Number of battery modules | | 2 | 3 | 4 | 5 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Nominal voltage | V | 204 | 307 | 409 | 512 | 153 | 204 | 256 | 307 | 358 | 409 |
| | Voltage range | V | 160-240 | 240-360 | 320-480 | 400-600 | 120-180 | 160-240 | 200-300 | 240-360 | 280-420 | 320-480 |
| | Interface to inverter | | RS485 | | | | | | | | | |
| | Height | mm | 712 | 945 | 1178 | 1411 | 945 | 1178 | 1411 | 1644 | 1877 | 2110 |
| | Width/depth | mm | 585/298 | | | | | | | | | |
| | Weight | kg | 91 | 129 | 167 | 205 | 129 | 167 | 205 | 243 | 281 | 319 |
| | Ambient temperature | °C | -10…50 | | | | | | | | | |
| | IP protection class | | IP 55 | | | | | | | | | |
| | Certification / Safety Standard | | VDE2510-50 / IEC62619 / CEC / CE / UN38.3 | | | | | | | | | |

1) According to the battery manufacturer
2) Due to §14a (controllable consumers), please note that in Germany certain inverter/battery combinations must be externally controllable by the energy supplier so that the maximum possible battery charging capacity from the grid does not exceed 4.2 kWh. Further information on this can be found in the inverter operating instructions under 'External battery control via digital inputs'

# PLENTICORE G3 with BYD Battery-Box HVM+



| | BYD Battery-Box HVM+ | | 8.3 | 11.8 | 13.8 | 16.6 | 19.3 | 22.1 |
|---|---|---|---|---|---|---|---|---|
| System data | Modul type | | LiFePO4<br>2.76 kWh, 51.2 V, 41.4 kg | | | | | |
| | Max. Charging/discharging current battery system | A | 50/50 | | | | | |
| | Max. Charging/discharging current battery input PLENTICORE S G3 | A | 17/17 | | | | | |
| | Max. Power consumption with PLENTICORE S G3 - 4.0 | kW | 2.6 | 3.5 | 4.0 | 4.0 | 4.0 | 4.0 |
| | Max. Power consumption with PLENTICORE S G3 - 5.5 | kW | 2.6 | 3.5 | 4.4[2)] | 5.2[2)] | 5.5[2)] | 5.5[2)] |
| | Max. Power consumption with PLENTICORE S G3 - 7.0 | kW | 2.6 | 3.5 | 4.4[2)] | 5.2[2)] | 6.1[2)] | 7.0[2)] |
| | Max. Charging/discharging current battery input PLENTICORE M G3 | A | 30/30 | | | | | |
| | Max. Power consumption with PLENTICORE M G3 - 8.5 | kW | 4.6[2)] | 6.1[2)] | 7.7[2)] | 8.5[2)] | 8.5[2)] | 8.5[2)] |
| | Max. Power consumption with PLENTICORE M G3 - 10 | kW | 4.6[2)] | 6.1[2)] | 7.7[2)] | 9.2[2)] | 10.0[2)] | 10.0[2)] |
| | Max. Power consumption with PLENTICORE M G3 - 12.5 | kW | 4.6[2)] | 6.1[2)] | 7.7[2)] | 9.2[2)] | 10.8[2)] | 12.3[2)] |
| | Max. Charging/discharging current battery input PLENTICORE L G3 | A | 30/30 | | | | | |
| | Max. Power consumption with PLENTICORE L G3 - 15 | kW | 4.6[2)] | 6.1[2)] | 7.7[2)] | 9.2[2)] | 10.8[2)] | 12.3[2)] |
| | Max. Power consumption with PLENTICORE L G3 - 17.5 | kW | 4.6[2)] | 6.1[2)] | 7.7[2)] | 9.2[2)] | 10.8[2)] | 12.3[2)] |
| | Max. Power consumption with PLENTICORE L G3 - 20 | kW | 4.6[2)] | 6.1[2)] | 7.7[2)] | 9.2[2)] | 10.8[2)] | 12.3[2)] |
| | Usable capacity 95% DoD[1)] | kWh | 7.9 | 10.5 | 13.1 | 15.7 | 18.4 | 21.0 |
| | Usable capacity 100% DoD[1)] | kWh | 8.3 | 11.0 | 13.8 | 16.6 | 19.3 | 22.1 |
| | Number of battery modules | | 3 | 4 | 5 | 6 | 7 | 8 |
| | Nominal voltage | V | 153.6 | 204.8 | 256.0 | 307.2 | 358.4 | 409.6 |
| | Voltage range | V | 120-172.8 | 160-230.4 | 200-288 | 240-345.6 | 280-403.2 | 320-460.8 |
| | Interface to inverter | | RS485 | | | | | |
| | Height | mm | 987 | 1227 | 1467 | 1707 | 1947 | 2187 |
| | Width/depth | mm | 610/282 | | | | | |
| | Weight | kg | 138.8 | 180.2 | 221.6 | 263 | 304.4 | 345.8 |
| | Ambient temperature | °C | -10…50 | | | | | |
| | IP protection class | | IP 55 | | | | | |
| | Certification / Safety Standard | | VDE2510-50 / IEC62619 / CE / UKCA / UN38.3 | | | | | |

1) According to the battery manufacturer
2) Due to §14a (controllable consumers), please note that in Germany certain inverter/battery combinations must be externally controllable by the energy supplier so that the maximum possible battery charging capacity from the grid does not exceed 4.2 kWh. Further information on this can be found in the inverter operating instructions under 'External battery control via digital inputs'

# PLENTICORE G3 with BYD Battery-Box HVS+



| | BYD Battery-Box HVS+ | | 5.12 | 7.7 | 10.2 | 12.8 |
|---|---|---|---|---|---|---|
| System data | Modul type | | LiFePO4<br>2.56 kWh, 102.4 V, 38.5 kg | | | |
| | Max. Charging/discharging current battery system | A | 25/25 | | | |
| | Max. Charging/discharging current battery input PLENTICORE S G3 | A | 17/17 | | | |
| | Max. Power consumption with PLENTICORE S G3 - 4.0 | kW | 3.5 | 4.0 | 4.0 | 4.0 |
| | Max. Power consumption with PLENTICORE S G3 - 5.5 | kW | 3.5 | 5.2[2)] | 5.5[2)] | 5.5[2)] |
| | Max. Power consumption with PLENTICORE S G3 - 7.0 | kW | 3.5 | 5.2[2)] | 7.0[2)] | 7.0[2)] |
| | Max. Charging/discharging current battery input PLENTICORE M G3 | A | 30/30 | | | |
| | Max. Power consumption with PLENTICORE M G3 - 8.5 | kW | 5.1[2)] | 7.7[2)] | 8.5[2)] | 8.5[2)] |
| | Max. Power consumption with PLENTICORE M G3 - 10 | kW | 5.1[2)] | 7.7[2)] | 10.0[2)] | 10.0[2)] |
| | Max. Power consumption with PLENTICORE M G3 - 12.5 | kW | 5.1[2)] | 7.7[2)] | 10.2[2)] | 12.5[2)] |
| | Max. Charging/discharging current battery input PLENTICORE L G3 | A | 30/30 | | | |
| | Max. Power consumption with PLENTICORE L G3 - 15 | kW | 5.1[2)] | 7.7[2)] | 10.2[2)] | 12.8[2)] |
| | Max. Power consumption with PLENTICORE L G3 - 17.5 | kW | 5.1[2)] | 7.7[2)] | 10.2[2)] | 12.8[2)] |
| | Max. Power consumption with PLENTICORE L G3 - 20 | kW | 5.1[2)] | 7.7[2)] | 10.2[2)] | 12.8[2)] |
| | Usable capacity 95% DoD[1)] | kWh | 4.9 | 7.3 | 9.7 | 12.2 |
| | Usable capacity 100% DoD[1)] | kWh | 5.1 | 7.7 | 10.2 | 12.8 |
| | Number of battery modules | | 2 | 3 | 4 | 5 |
| | Nominal voltage | V | 204.8 | 307.2 | 409.6 | 512.0 |
| | Voltage range | V | 160-230.4 | 240-345.6 | 320-460.8 | 400-576 |
| | Interface to inverter | | RS485 | | | |
| | Height | mm | 747 | 987 | 1227 | 1467 |
| | Width/depth | mm | 610/282 | | | |
| | Weight | kg | 91.6 | 130.1 | 168.6 | 207.1 |
| | Ambient temperature | °C | -10…50 | | | |
| | IP protection class | | IP 55 | | | |
| | Certification / Safety Standard | | VDE2510-50 / IEC62619 / CEC / CE / UN38.3 | | | |

1) According to the battery manufacturer
2) Due to §14a (controllable consumers), please note that in Germany certain inverter/battery combinations must be externally controllable by the energy supplier so that the maximum possible battery charging capacity from the grid does not exceed 4.2 kWh. Further information on this can be found in the inverter operating instructions under 'External battery control via digital inputs'

# PLENTICORE G3 with BYD Battery-Box HVB



| | BYD Battery-Box HVB | | 8.9 | 11.9 | 14.9 | 17.8 | 20.8 | 23.8 | 26.7 | 29.6 |
|---|---|---|---|---|---|---|---|---|---|---|
| System data | Modul type | | LiFePO4<br>2.97 kWh, 51.2 V, 27.3 kg | | | | | | | |
| | Max. Charging/discharging current battery system | A | 50/50 | | | | | | | |
| | Max. Charging/discharging current battery input PLENTICORE S G3 | A | 17/17 | | | | | | | |
| | Max. Power consumption with PLENTICORE S G3 - 4.0 | kW | 2.6 | 3.5 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| | Max. Power consumption with PLENTICORE S G3 - 5.5 | kW | 2.6 | 3.5 | 4.4 | 5.2[2)] | 5.5[2)] | 5.5[2)] | 5.5[2)] | 5.5[2)] |
| | Max. Power consumption with PLENTICORE S G3 - 7.0 | kW | 2.6 | 3.5 | 4.4 | 5.2[2)] | 6.1[2)] | 7.0[2)] | 7.0[2)] | 7.0[2)] |
| | Max. Charging/discharging current battery input PLENTICORE M G3 | A | 30/30 | | | | | | | |
| | Max. Power consumption with PLENTICORE M G3 - 8.5 | kW | 4.6[2)] | 6.1[2)] | 7.7[2)] | 8.5[2)] | 8.5[2)] | 8.5[2)] | 8.5[2)] | 8.5[2)] |
| | Max. Power consumption with PLENTICORE M G3 - 10 | kW | 4.6[2)] | 6.1[2)] | 7.7[2)] | 9.2[2)] | 10.0[2)] | 10.0[2)] | 10.0[2)] | 10.0[2)] |
| | Max. Power consumption with PLENTICORE M G3 - 12.5 | kW | 4.6[2)] | 6.1[2)] | 7.7[2)] | 9.2[2)] | 10.8[2)] | 12.3[2)] | 12.5[2)] | 12.5[2)] |
| | Max. Charging/discharging current battery input PLENTICORE L G3 | A | 30/30 | | | | | | | |
| | Max. Power consumption with PLENTICORE L G3 - 15 | kW | 4.6[2)] | 6.1[2)] | 7.7[2)] | 9.2[2)] | 10.8[2)] | 12.3[2)] | 13.8[2)] | 15.0[2)] |
| | Max. Power consumption with PLENTICORE L G3 - 17.5 | kW | 4.6[2)] | 6.1[2)] | 7.7[2)] | 9.2[2)] | 10.8[2)] | 12.3[2)] | 13.8[2)] | 15.4[2)] |
| | Max. Power consumption with PLENTICORE L G3 - 20 | kW | 4.6[2)] | 6.1[2)] | 7.7[2)] | 9.2[2)] | 10.8[2)] | 12.3[2)] | 13.8[2)] | 15.4[2)] |
| | Usable capacity 95% DoD[1)] | kWh | 8.5 | 11.3 | 14.1 | 16.9 | 19.8 | 22.6 | 25.4 | 28.2 |
| | Usable capacity 100% DoD[1)] | kWh | 8.9 | 11.9 | 14.9 | 17.8 | 20.8 | 23.8 | 26.7 | 29.7 |
| | Number of battery modules | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | Nominal voltage | V | 153.6 | 204.8 | 256.0 | 307.2 | 358.4 | 409.6 | 460.8 | 512.0 |
| | Voltage range | V | 120-172.8 | 160-230.4 | 200-288 | 240-345.6 | 280-403.2 | 320-460.8 | 360-518.4 | 400-576 |
| | Interface to inverter | | RS485 | | | | | | | |
| | Height | mm | 585 | 691 | 797 | 903 | 1009 | 1115 | 1221 | 1327 |
| | Width/depth | mm | 610/282 | | | | | | | |
| | Weight | kg | 96 | 123.3 | 150.6 | 177.9 | 205.2 | 232.5 | 259.8 | 287.1 |
| | Ambient temperature | °C | -20…50 | | | | | | | |
| | IP protection class | | IP 55 | | | | | | | |
| | Certification / Safety Standard | | VDE2510-50 / IEC62619 / CEC / CE / UN38.3 | | | | | | | |

1) According to the battery manufacturer
2) Due to §14a (controllable consumers), please note that in Germany certain inverter/battery combinations must be externally controllable by the energy supplier so that the maximum possible battery charging capacity from the grid does not exceed 4.2 kWh. Further information on this can be found in the inverter operating instructions under 'External battery control via digital inputs'

# PLENTICORE G3 with Dyness Tower



| | Dyness Tower | | T7 | T10 | T14 | T17 | T21 |
|---|---|---|---|---|---|---|---|
| System data | Modul type | | Li-Ion LFP<br>3.552 kWh, 96 V, 37 Ah, 41 kg | | | | |
| | Max. Charging/discharging current battery system | A | 22/22 | | | | |
| | Max. Charging/discharging current battery input PLENTICORE S G3 | A | 17/17 | | | | |
| | Max. Power consumption with PLENTICORE S G3 - 4.0 | kW | 3.3 | 4.0 | 4.0 | 4.0 | 4.0 |
| | Max. Power consumption with PLENTICORE S G3 - 5.5 | kW | 3.3 | 4.9[2)] | 5.5[2)] | 5.5[2)] | 5.5[2)] |
| | Max. Power consumption with PLENTICORE S G3 - 7.0 | kW | 3.3 | 4.9[2)] | 6.5[2)] | 7.0[2)] | 7.0[2)] |
| | Max. Charging/discharging current battery input PLENTICORE M G3 | A | 30/30 | | | | |
| | Max. Power consumption with PLENTICORE M G3 - 8.5 | kW | 4.2 | 6.3[2)] | 8.4[2)] | 8.5[2)] | 8.5[2)] |
| | Max. Power consumption with PLENTICORE M G3 - 10 | kW | 4.2 | 6.3[2)] | 8.4[2)] | 10.0[2)] | 10.0[2)] |
| | Max. Power consumption with PLENTICORE M G3 - 12.5 | kW | 4.2 | 6.3[2)] | 8.4[2)] | 10.6[2)] | 12.5[2)] |
| | Max. Charging/discharging current battery input PLENTICORE L G3 | A | 30/30 | | | | |
| | Max. Power consumption with PLENTICORE L G3 - 15 | kW | 4.2 | 6.3[2)] | 8.4[2)] | 10.6[2)] | 12.7[2)] |
| | Max. Power consumption with PLENTICORE L G3 - 17.5 | kW | 4.2 | 6.3[2)] | 8.4[2)] | 10.6[2)] | 12.7[2)] |
| | Max. Power consumption with PLENTICORE L G3 - 20 | kW | 4.2 | 6.3[2)] | 8.4[2)] | 10.6[2)] | 12.7[2)] |
| | Usable capacity 95% DoD[1)] | kWh | 6.7 | 10.2 | 13.5 | 16.9 | 20.2 |
| | Usable capacity 100% DoD[1)] | kWh | 7.1 | 10.7 | 14.2 | 17.8 | 21.3 |
| | Number of battery modules | | 2 | 3 | 4 | 5 | 6 |
| | Nominal voltage | V | 192 | 288 | 384 | 480 | 576 |
| | Voltage range | V | 168-216 | 252-324 | 336-432 | 420-540 | 504-648 |
| | Interface to inverter | | RS485 | | | | |
| | Height | mm | 700 | 900 | 1100 | 1300 | 1500 |
| | Width/depth | mm | 504/380 | | | | |
| | Weight | kg | 105 | 146 | 187 | 228 | 269 |
| | Ambient temperature | °C | 0...50 | | | | |
| | IP protection class | | IP54 | | | | |
| | Certification / Safety Standard | | IEC 62040-1, IEC 62619, IEC 63056, UL1973, CE,<br>EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4 | | | | |

1) According to the battery manufacturer
2) Due to §14a (controllable consumers), please note that in Germany certain inverter/battery combinations must be externally controllable by the energy supplier so that the maximum possible battery charging capacity from the grid does not exceed 4.2 kWh. Further information on this can be found in the inverter operating instructions under 'External battery control via digital inputs'

# PLENTICORE G3 with Dyness Tower Pro



| | Dyness Tower Pro | | TP7 | TP11 | TP15 | TP19 | TP23 |
|---|---|---|---|---|---|---|---|
| System data | Modul type | | LiFePO4<br>3.84 kWh, 96 V, 40 Ah, 34.5 kg | | | | |
| | Max. Charging/discharging current battery system | A | 40/40 | | | | |
| | Max. Charging/discharging current battery input PLENTICORE S G3 | A | 17/17 | | | | |
| | Max. Power consumption with PLENTICORE S G3 - 4.0 | kW | 3.3 | 4.0 | 4.0 | 4.0 | 4.0 |
| | Max. Power consumption with PLENTICORE S G3 - 5.5 | kW | 3.3 | 4.9[2)] | 5.5[2)] | 5.5[2)] | 5.5[2)] |
| | Max. Power consumption with PLENTICORE S G3 - 7.0 | kW | 3.3 | 4.9[2)] | 6.5[2)] | 7.0[2)] | 7.0[2)] |
| | Max. Charging/discharging current battery input PLENTICORE M G3 | A | 30/30 | | | | |
| | Max. Power consumption with PLENTICORE M G3 - 8.5 | kW | 5.8[2)] | 8.5[2)] | 8.5[2)] | 8.5[2)] | 8.5[2)] |
| | Max. Power consumption with PLENTICORE M G3 - 10 | kW | 5.8[2)] | 8.6[2)] | 10.0[2)] | 10.0[2)] | 10.0[2)] |
| | Max. Power consumption with PLENTICORE M G3 - 12.5 | kW | 5.8[2)] | 8.6[2)] | 11.5[2)] | 12.5[2)] | 12.5[2)] |
| | Max. Charging/discharging current battery input PLENTICORE L G3 | A | 30/30 | | | | |
| | Max. Power consumption with PLENTICORE L G3 - 15 | kW | 5.8[2)] | 8.6[2)] | 11.5[2)] | 14.4[2)] | 15.0[2)] |
| | Max. Power consumption with PLENTICORE L G3 - 17.5 | kW | 5.8[2)] | 8.6[2)] | 11.5[2)] | 14.4[2)] | 17.3[2)] |
| | Max. Power consumption with PLENTICORE L G3 - 20 | kW | 5.8[2)] | 8.6[2)] | 11.5[2)] | 14.4[2)] | 17.3[2)] |
| | Usable capacity 95% DoD[1)] | kWh | 7.3 | 10.9 | 14.6 | 18.2 | 21.9 |
| | Usable capacity 100% DoD[1)] | kWh | 7.7 | 11.5 | 15.4 | 19.2 | 23.0 |
| | Number of battery modules | | 2 | 3 | 4 | 5 | 6 |
| | Nominal voltage | V | 192 | 288 | 384 | 480 | 576 |
| | Voltage range | V | 168-216 | 252-324 | 336-432 | 420-540 | 504-648 |
| | Interface to inverter | | RS485 | | | | |
| | Height | mm | 788 | 1009 | 1230 | 1451 | 1672 |
| | Width/depth | mm | 587/310 | | | | |
| | Weight | kg | 99.5 | 135 | 170.5 | 206 | 241.5 |
| | Ambient temperature | °C | -20...55 | | | | |
| | IP protection class | | IP55 | | | | |
| | Certification / Safety Standard | | UN38.3, VDE2510-50, IEC62619, IEC63056, IEC62477, IEC62040, CE, EMC, ROHS | | | | |

1) According to the battery manufacturer
2) Due to §14a (controllable consumers), please note that in Germany certain inverter/battery combinations must be externally controllable by the energy supplier so that the maximum possible battery charging capacity from the grid does not exceed 4.2 kWh. Further information on this can be found in the inverter operating instructions under 'External battery control via digital inputs'

# PLENTICORE G3 with Dyness Stack100



| | Dyness Stack100 | | s3 | s4 | s5 | s6 | s7 | s8 | s9 | s10 | s11 | s12 | s13 | s14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| System data | Modul type | | LiFePO4 5.12 kWh, 57.6 V, 100 Ah, 47 kg | | | | | | | | | | | |
| | Max. Charging/discharging current battery system | A | 100/100 | | | | | | | | | | | |
| | Max. Charging/discharging current battery input PLENTICORE S G3 | A | 17/17 | | | | | | | | | | | |
| | Max. Power consumption with PLENTICORE S G3 - 4.0 | kW | 2.6 | 3.5 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| | Max. Power consumption with PLENTICORE S G3 - 5.5 | kW | 2.6 | 3.5 | 4.4[2] | 5.2[2] | 5.5[2] | 5.5[2] | 5.5[2] | 5.5[2] | 5.5[2] | 5.5[2] | 5.5[2] | 5.5[2] |
| | Max. Power consumption with PLENTICORE S G3 - 7.0 | kW | 2.6 | 3.5 | 4.4[2] | 5.2[2] | 6.1[2] | 7.0[2] | 7.0[2] | 7.0[2] | 7.0[2] | 7.0[2] | 7.0[2] | 7.0[2] |
| | Max. Charging/discharging current battery input PLENTICORE M G3 | A | 30/30 | | | | | | | | | | | |
| | Max. Power consumption with PLENTICORE M G3 - 8.5 | kW | 4.6[2] | 6.1[2] | 7.7[2] | 8.5[2] | 8.5[2] | 8.5[2] | 8.5 | 8.5[2] | 8.5[2] | 8.5[2] | 8.5[2] | 8.5[2] |
| | Max. Power consumption with PLENTICORE M G3 - 10 | kW | 4.6[2] | 6.1[2] | 7.7[2] | 9.2[2] | 10.0[2] | 10.0[2] | 10.0[2] | 10.0[2] | 10.0[2] | 10.0[2] | 10.0[2] | 10.0[2] |
| | Max. Power consumption with PLENTICORE M G3 - 12.5 | kW | 4.6[2] | 6.1[2] | 7.7[2] | 9.2[2] | 10.8[2] | 12.3[2] | 12.5[2] | 12.5[2] | 12.5[2] | 12.5[2] | 12.5[2] | 12.5[2] |
| | Max. Charging/discharging current battery input PLENTICORE L G3 | A | 30/30 | | | | | | | | | | | |
| | Max. Power consumption with PLENTICORE L G3 - 15 | kW | 4.6[2] | 6.1[2] | 7.7[2] | 9.2[2] | 10.8[2] | 12.3[2] | 13.8[2] | 15.0[2] | 15.0[2] | 15.0[2] | 15.0[2] | 15.0[2] |
| | Max. Power consumption with PLENTICORE L G3 - 17.5 | kW | 4.6[2] | 6.1[2] | 7.7[2] | 9.2[2] | 10.8[2] | 12.3[2] | 13.8[2] | 15.4[2] | 16.9[2] | 17.5[2] | 17.5[2] | 17.5[2] |
| | Max. Power consumption with PLENTICORE L G3 - 20 | kW | 4.6[2] | 6.1[2] | 7.7[2] | 9.2[2] | 10.8[2] | 12.3[2] | 13.8[2] | 15.4[2] | 16.9[2] | 18.4[2] | 20.0[2] | 20.0[2] |
| | Usable capacity 95% DoD[1] | kWh | 14.6 | 19.5 | 24.3 | 29.2 | 34.0 | 39.0 | 43.8 | 48.6 | 53.5 | 58.3 | 63.3 | 68.1 |
| | Usable capacity 100% DoD[1] | kWh | 15.4 | 20.5 | 25.6 | 30.7 | 35.8 | 41.0 | 46.1 | 51.2 | 56.3 | 61.4 | 66.6 | 71.7 |
| | Number of battery modules | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | Nominal voltage | V | 153.6 | 204.9 | 256.0 | 307.2 | 358.4 | 409.6 | 460.8 | 512.0 | 563.2 | 614.4 | 665.6 | 716.8 |
| | Voltage range | V | 134-175 | 179-233 | 224-292 | 268-350 | 313-408 | 358-467 | 403-525 | 448-584 | 492-642 | 537-700 | 582-759 | 627-818 |
| | Interface to inverter | | RS485 | | | | | | | | | | | |
| | Height | mm | 634 | 768 | 901 | 1035 | 1168 | 1302 | 1435 | 1569 | 1702 | 1836 | 1969 | 2103 |
| | Width/depth | mm | 591/390 | | | | | | | | | | | |
| | Weight | kg | 141 | 188 | 235 | 282 | 329 | 376 | 423 | 470 | 517 | 564 | 611 | 658 |
| | Ambient temperature | °C | 0...55 | | | | | | | | | | | |
| | IP protection class | | IP20 | | | | | | | | | | | |
| | Certification / Safety Standard | | CE/EMC/RED/62619/63056/62477/62040 /UN38.3/VDE2510-50 | | | | | | | | | | | |

1) According to the battery manufacturer
2) Due to §14a (controllable consumers). please note that in Germany certain inverter/battery combinations must be externally controllable by the energy supplier so that the maximum possible battery charging capacity from the grid does not exceed 4.2 kWh. Further information on this can be found in the inverter operating instructions under 'External battery control via digital inputs'

# PLENTICORE G3 with Dyness Stack100 Pro



| | Dyness Stack100 Pro | | s3 | s4 | s5 | s6 | s7 | s8 | s9 | s10 | s11 | s12 | s13 | s14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| System data | Modul type | | $LiFePO_4$ 5.12 kWh, 57.6 V, 100 Ah, 47 kg | | | | | | | | | | | |
| | Max. Charging/discharging current battery system | A | 100/100 | | | | | | | | | | | |
| | Max. Charging/discharging current battery input PLENTICORE S G3 | A | 17/17 | | | | | | | | | | | |
| | Max. Power consumption with PLENTICORE S G3 - 4.0 | kW | 2.6 | 3.5 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| | Max. Power consumption with PLENTICORE S G3 - 5.5 | kW | 2.6 | 3.5 | 4.4[2] | 5.2[2] | 5.5[2] | 5.5[2] | 5.5[2] | 5.5[2] | 5.5[2] | 5.5[2] | 5.5[2] | 5.5[2] |
| | Max. Power consumption with PLENTICORE S G3 - 7.0 | kW | 2.6 | 3.5 | 4.4[2] | 5.2[2] | 6.1[2] | 7.0[2] | 7.0[2] | 7.0[2] | 7.0[2] | 7.0[2] | 7.0[2] | 7.0[2] |
| | Max. Charging/discharging current battery input PLENTICORE M G3 | A | 30/30 | | | | | | | | | | | |
| | Max. Power consumption with PLENTICORE M G3 - 8.5 | kW | 4.6[2] | 6.1[2] | 7.7[2] | 8.5[2] | 8.5[2] | 8.5[2] | 8.5 | 8.5[2] | 8.5[2] | 8.5[2] | 8.5[2] | 8.5[2] |
| | Max. Power consumption with PLENTICORE M G3 - 10 | kW | 4.6[2] | 6.1[2] | 7.7[2] | 9.2[2] | 10.0[2] | 10.0[2] | 10.0[2] | 10.0[2] | 10.0[2] | 10.0[2] | 10.0[2] | 10.0[2] |
| | Max. Power consumption with PLENTICORE M G3 - 12.5 | kW | 4.6[2] | 6.1[2] | 7.7[2] | 9.2[2] | 10.8[2] | 12.3[2] | 12.5[2] | 12.5[2] | 12.5[2] | 12.5[2] | 12.5[2] | 12.5[2] |
| | Max. Charging/discharging current battery input PLENTICORE L G3 | A | 30/30 | | | | | | | | | | | |
| | Max. Power consumption with PLENTICORE L G3 - 15 | kW | 4.6[2] | 6.1[2] | 7.7[2] | 9.2[2] | 10.8[2] | 12.3[2] | 13.8[2] | 15.0[2] | 15.0[2] | 15.0[2] | 15.0[2] | 15.0[2] |
| | Max. Power consumption with PLENTICORE L G3 - 17.5 | kW | 4.6[2] | 6.1[2] | 7.7[2] | 9.2[2] | 10.8[2] | 12.3[2] | 13.8[2] | 15.4[2] | 16.9[2] | 17.5[2] | 17.5[2] | 17.5[2] |
| | Max. Power consumption with PLENTICORE L G3 - 20 | kW | 4.6[2] | 6.1[2] | 7.7[2] | 9.2[2] | 10.8[2] | 12.3[2] | 13.8[2] | 15.4[2] | 16.9[2] | 18.4[2] | 20.0[2] | 20.0[2] |
| | Usable capacity 95% DoD[1] | kWh | 14.6 | 19.5 | 24.3 | 29.2 | 34.0 | 39.0 | 43.8 | 48.6 | 53.5 | 58.3 | 63.3 | 68.1 |
| | Usable capacity 100% DoD[1] | kWh | 15.4 | 20.5 | 25.6 | 30.7 | 35.8 | 41.0 | 46.1 | 51.2 | 56.3 | 61.4 | 66.6 | 71.7 |
| | Number of battery modules | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | Nominal voltage | V | 153.6 | 204.9 | 256.0 | 307.2 | 358.4 | 409.6 | 460.8 | 512.0 | 563.2 | 614.4 | 665.6 | 716.8 |
| | Voltage range | V | 134-175 | 179-233 | 224-292 | 268-350 | 313-408 | 358-467 | 403-525 | 448-584 | 492-642 | 537-700 | 582-759 | 627-818 |
| | Interface to inverter | | RS485 | | | | | | | | | | | |
| | Height | mm | 634 | 768 | 901 | 1035 | 1168 | 1302 | 1435 | 1569 | 1702 | 1836 | 1969 | 2103 |
| | Width/depth | mm | 591/390 | | | | | | | | | | | |
| | Weight | kg | 141 | 188 | 235 | 282 | 329 | 376 | 423 | 470 | 517 | 564 | 611 | 658 |
| | Ambient temperature | °C | 0...55 | | | | | | | | | | | |
| | IP protection class | | IP66 | | | | | | | | | | | |
| | Certification / Safety Standard | | CE/EMC/RED/62619/63056/62477/62040 /UN38.3/VDE2510-50 | | | | | | | | | | | |

1) According to the battery manufacturer
2) Due to §14a (controllable consumers). please note that in Germany certain inverter/battery combinations must be externally controllable by the energy supplier so that the maximum possible battery charging capacity from the grid does not exceed 4.2 kWh. Further information on this can be found in the inverter operating instructions under 'External battery control via digital inputs'

# PLENTICORE G3 with LG RESU FLEX



| | LG Energy Solution | | RESU FLEX 8.6 | RESU FLEX 12.9 | RESU FLEX 17.2 |
|---|---|---|---|---|---|
| System data | Modul type | | Li-Ion NMC, BMA 48.9kg[3], BPU 16.5kg[3] | | |
| | Max. Charging/discharging current battery system | A | 22/22 | | |
| | Max. Charging/discharging current battery input PLENTICORE S G3 | A | 17/17 | | |
| | Max. Power consumption with PLENTICORE S G3 - 4.0 | kW | 3.3 | 4.0 | 4.0 |
| | Max. Power consumption with PLENTICORE S G3 - 5.5 | kW | 3.3 | 5.0[3] | 5.5[3] |
| | Max. Power consumption with PLENTICORE S G3 - 7.0 | kW | 3.3 | 5.0[3] | 6.7[3] |
| | Max. Charging/discharging current battery input PLENTICORE M G3 | A | 30/30 | | |
| | Max. Power consumption with PLENTICORE M G3 - 8.5 | kW | 4.3[3] | 6.5[3] | 8.5[3] |
| | Max. Power consumption with PLENTICORE M G3 - 10 | kW | 4.3[3] | 6.5[3] | 8.6[3] |
| | Max. Power consumption with PLENTICORE M G3 - 12.5 | kW | 4.3[3] | 6.5[3] | 8.6[3] |
| | Max. Charging/discharging current battery input PLENTICORE L G3 | A | 30/30 | | |
| | Max. Power consumption with PLENTICORE L G3 - 15 | kW | 4.3[3] | 6.5[3] | 8.5[3] |
| | Max. Power consumption with PLENTICORE L G3 - 17.5 | kW | 4.3[3] | 6.5[3] | 8.5[3] |
| | Max. Power consumption with PLENTICORE L G3 - 20 | kW | 4.3[3] | 6.5[3] | 8.5[3] |
| | Usable capacity 95% DoD[1] | kWh | 8.2 | 12.3 | 16.3 |
| | Usable capacity 100% DoD[1] | kWh | 8.6 | 12.9 | 17.2 |
| | Number of battery modules | | 2 | 3 | 4 |
| | Nominal voltage | V | 196 | 294 | 392 |
| | Voltage range | V | 192-265.6 | 288-398.4 | 384-531.2 |
| | Interface to inverter | | RS485 | | |
| | Height | mm | 665.2 | | |
| | Width/depth | mm | 665.2/445.2 | 665.2/593.6 | 665.2/742 |
| | Weight | kg | 114.3 | 163.2 | 212.1 |
| | Ambient temperature | °C | -10...50 | | |
| | IP protection class | | IP 55 | | |
| | Certification / Safety Standard | | CE, RCM, UL1973, IEC62619, IEC62477-1, FCC, IEC61000-6-1, IEC61000-6-2, IEC61000-6-3 | | |

1) According to the battery manufacturer
2) Due to §14a (controllable consumers), please note that in Germany certain inverter/battery combinations must be externally controllable by the energy supplier so that the maximum possible battery charging capacity from the grid does not exceed 4.2 kWh. Further information on this can be found in the inverter operating instructions under 'External battery control via digital inputs'
3) The weight of the bracket and the design cover is not included

# PLENTICORE G3 with M-TEC Energy Tower



| | M-TEC Energy Tower | | 9.2 | 13.8 | 18.4 | 23.0 | 27.6 | 32.2 | 36.8 | 41.4 | 46.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Systemdaten | Modul type | | LFP, 4.6kWh, 76.8V, 60Ah, 36kg | | | | | | | | |
| | Max. Charging/discharging current battery system | A | 30/30 | | | | | | | | |
| | Max. Charging/discharging current battery input PLENTICORE S G3 | A | 17/17 | | | | | | | | |
| | Max. Power consumption with PLENTICORE S G3 - 4.0 | kW | 2.6 | 3.9 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| | Max. Power consumption with PLENTICORE S G3 - 5.5 | kW | 2.6 | 3.9 | 5.2[2] | 5.5[2] | 5.5[2] | 5.5[2] | 5.5[2] | 5.5[2] | 5.5[2] |
| | Max. Power consumption with PLENTICORE S G3 - 7.0 | kW | 2.6 | 3.9 | 5.2[2] | 6.5[2] | 7.0[2] | 7.0[2] | 7.0[2] | 7.0[2] | 7.0[2] |
| | Max. Charging/discharging current battery input PLENTICORE M G3 | A | 30/30 | | | | | | | | |
| | Max. Power consumption with PLENTICORE M G3 - 8.5 | kW | 4.6[2] | 6.9[2] | 8.5[2] | 8.5[2] | 8.5[2] | 8.5[2] | 8.5[2] | 8.5[2] | 8.5[2] |
| | Max. Power consumption with PLENTICORE M G3 - 10 | kW | 4.6[2] | 6.9[2] | 9.2[2] | 10.0[2] | 10.0[2] | 10.0[2] | 10.0[2] | 10.0[2] | 10.0[2] |
| | Max. Power consumption with PLENTICORE M G3 - 12.5 | kW | 4.6[2] | 6.9[2] | 9.2[2] | 12.5[2] | 12.5[2] | 12.5[2] | 12.5[2] | 12.5[2] | 12.5[2] |
| | Max. Charging/discharging current battery input PLENTICORE L G3 | A | 30/30 | | | | | | | | |
| | Max. Power consumption with PLENTICORE L G3 - 15 | kW | 4.6[2] | 6.9[2] | 9.2[2] | 11.5[2] | 13.8[2] | 15.0[2] | 15.0[2] | 15.0[2] | 15.0[2] |
| | Max. Power consumption with PLENTICORE L G3 - 17.5 | kW | 4.6[2] | 6.9[2] | 9.2[2] | 11.5[2] | 13.8[2] | 16.1[2] | 17.5[2] | 17.5[2] | 17.5[2] |
| | Max. Power consumption with PLENTICORE L G3 - 20 | kW | 4.6[2] | 6.9[2] | 9.2[2] | 11.5[2] | 13.8[2] | 16.1[2] | 18.4[2] | 20.0[2] | 20.0[2] |
| | Usable capacity 90% DoD[1] | kWh | 8.3 | 12.4 | 16.6 | 20.7 | 24.8 | 29.0 | 33.1 | 37.3 | 41.4 |
| | Usable capacity 100% DoD[1] | kWh | 9.2 | 13.8 | 18.4 | 23.0 | 27.6 | 32.2 | 36.8 | 41.4 | 46.0 |
| | Number of battery modules | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | Nominal voltage | V | 153.6 | 230.4 | 307.2 | 384 | 460.8 | 537.6 | 614.4 | 691.2 | 768 |
| | Voltage range | V | 146.4-163.4 | 219.6-245.1 | 292.8-326.8 | 366-408.5 | 439.2-490.2 | 512.4-571.9 | 585.6-653.6 | 658.8-735.3 | 732-817 |
| | Interface to inverter | | RS485 | | | | | | | | |
| | Height | mm | 530 | 696 | 862 | 1028 | 1194 | 1360 | 1526 | 1693 | 1858 |
| | Width/depth | mm | 682/290 | | | | | | | | |
| | Weight | kg | 92 | 128 | 164 | 200 | 236 | 272 | 308 | 344 | 380 |
| | Ambient temperature | °C | 0...40 | | | | | | | | |
| | IP protection class | | IP 21 | | | | | | | | |
| | Certification / Safety Standard | | UN38.3, IEC 62619:2022, IEC63056, IEC61000, VDE2510-50 | | | | | | | | |

1) According to the battery manufacturer
2) Due to §14a (controllable consumers), please note that in Germany certain inverter/battery combinations must be externally controllable by the energy supplier so that the maximum possible battery charging capacity from the grid does not exceed 4.2 kWh. Further information on this can be found in the inverter operating instructions under 'External battery control via digital inputs'

# PLENTICORE G3 with PYLONTECH Force-H1



| | PYLONTECH Force | | H1-V2 10.65 [3] | H1-V2 14.20 [3] | H1-V2 17.76 [3] | H1-V2 21.31 [3] | H1-V2 24.86[3] |
|---|---|---|---|---|---|---|---|
| System data | Modul type | | Li-Ion LFP, 3.552 kWh, 48 V, 74 Ah, 36 kg | | | | |
| | Max. Charging/discharging current battery system | A | 40/40 | | | | |
| | Max. Charging/discharging current battery input PLENTICORE S G3 | A | 17/17 | | | | |
| | Max. Power consumption with PLENTICORE S G3 - 4.0 | kW | 2.4 | 3.3 | 4.0 | 4.0 | 4.0 |
| | Max. Power consumption with PLENTICORE S G3 - 5.5 | kW | 2.4 | 3.3 | 4.1 | 4.9[2] | 5.5[2] |
| | Max. Power consumption with PLENTICORE S G3 - 7.0 | kW | 2.4 | 3.3 | 4.1 | 4.9[2] | 5.7[2] |
| | Max. Charging/discharging current battery input PLENTICORE M G3 | A | 30/30 | | | | |
| | Max. Power consumption with PLENTICORE M G3 - 8.5 | kW | 4.3[2] | 5.8[2] | 7.2[2] | 8.5[2] | 8.5[2] |
| | Max. Power consumption with PLENTICORE M G3 - 10 | kW | 4.3[2] | 5.8[2] | 7.2[2] | 8.6[2] | 10.0[2] |
| | Max. Power consumption with PLENTICORE M G3 - 12.5 | kW | 4.3[2] | 5.8[2] | 7.2[2] | 8.6[2] | 10.1[2] |
| | Max. Charging/discharging current battery input PLENTICORE L G3 | A | 30/30 | | | | |
| | Max. Power consumption with PLENTICORE L G3 - 15 | kW | 4.3[2] | 5.8[2] | 7.2[2] | 8.6[2] | 10.1[2] |
| | Max. Power consumption with PLENTICORE L G3 - 17.5 | kW | 4.3[2] | 5.8[2] | 7.2[2] | 8.6[2] | 10.1[2] |
| | Max. Power consumption with PLENTICORE L G3 - 20 | kW | 4.3[2] | 5.8[2] | 7.2[2] | 8.6[2] | 10.1[2] |
| | Usable capacity 95% DoD[1] | kWh | 10.1 | 13.5 | 16.9 | 20.2 | 23.6 |
| | Usable capacity 100% DoD[1] | kWh | 10.7 | 14.2 | 17.8 | 21.3 | 24.9 |
| | Number of battery modules | | 3 | 4 | 5 | 6 | 7 |
| | Nominal voltage | V | 144 | 192 | 240 | 288 | 336 |
| | Voltage range | V | 130.5-162 | 174-216 | 217.5-270 | 261-324 | 304.5-378 |
| | Interface to inverter | | RS485 | | | | |
| | Height | mm | 700 | 870 | 1040 | 1210 | 1380 |
| | Width/depth | mm | 600/380 | | | | |
| | Weight | kg | 122 | 158 | 194 | 230 | 266 |
| | Ambient temperature | °C | 0...50 | | | | |
| | IP protection class | | IP 55 | | | | |
| | Certification / Safety Standard | | VDE2510-50, IEC62619, IEC62477, IEC62040, UN38.3, CE, EN 61000-6-2, EN 61000-6-3 | | | | |

1) According to the battery manufacturer
2) Due to §14a (controllable consumers), please note that in Germany certain inverter/battery combinations must be externally controllable by the energy supplier so that the maximum possible battery charging capacity from the grid does not exceed 4.2 kWh. Further information on this can be found in the inverter operating instructions under 'External battery control via digital inputs'
3) Pylontech Force-H1-V2 battery compatible with BMS modul: FC0500-40S-V2 mit article number 11FC0500ZZA-00013

# PLENTICORE G3 with PYLONTECH Force-H2



| | PYLONTECH Force | | H2-V2 7.10 [3] | H2-V2 10.65 [3] | H2-V2 14.21 [3] | H2-V2 17.75 [3] |
|---|---|---|---|---|---|---|
| System data | Modul type | | Li-Ion LFP<br>3.552kWh, 96V, 37Ah, 35kg | | | |
| | Max. Charging/discharging current battery system | A | 40/40 | | | |
| | Max. Charging/discharging current battery input PLENTICORE S G3 | A | 17/17 | | | |
| | Max. Power consumption with PLENTICORE S G3 - 4.0 | kW | 3.3 | 4.0 | 4.0 | 4.0 |
| | Max. Power consumption with PLENTICORE S G3 - 5.5 | kW | 3.3[2] | 4.9[2] | 5.5[2] | 5.5[2] |
| | Max. Power consumption with PLENTICORE S G3 - 7.0 | kW | 3.3[2] | 4.9[2] | 6.5[2] | 7.0[2] |
| | Max. Charging/discharging current battery input PLENTICORE M G3 | A | 30/30 | | | |
| | Max. Power consumption with PLENTICORE M G3 - 8.5 | kW | 5.8[2] | 8.5[2] | 8.5[2] | 8.5[2] |
| | Max. Power consumption with PLENTICORE M G3 - 10 | kW | 5.8[2] | 8.6[2] | 10.0[2] | 10.0[2] |
| | Max. Power consumption with PLENTICORE M G3 - 12.5 | kW | 5.8[2] | 8.6[2] | 10.5[2] | 10.5[2] |
| | Max. Charging/discharging current battery input PLENTICORE L G3 | A | 30/30 | | | |
| | Max. Power consumption with PLENTICORE L G3 - 15 | kW | 5.8[2] | 8.6[2] | 11.5[2] | 14.4[2] |
| | Max. Power consumption with PLENTICORE L G3 - 17.5 | kW | 5.8[2] | 8.6[2] | 11.5[2] | 14.4[2] |
| | Max. Power consumption with PLENTICORE L G3 - 20 | kW | 5.8[2] | 8.6[2] | 11.5[2] | 14.4[2] |
| | Usable capacity 95% DoD [1] | kWh | 6.7 | 10.1 | 13.5 | 16.9 |
| | Usable capacity 100% DoD[1] | kWh | 7.1 | 10.7 | 14.2 | 17.8 |
| | Number of battery modules | | 2 | 3 | 4 | 5 |
| | Nominal voltage | V | 192 | 288 | 384 | 480 |
| | Voltage range | V | 174-216 | 261-324 | 348-432 | 435-540 |
| | Interface to inverter | | RS485 | | | |
| | Height | mm | 822 | 1118 | 1414 | 1710 |
| | Width/depth | mm | 450/296 | | | |
| | Weight | kg | 82 | 117 | 152 | 188 |
| | Ambient temperature | °C | 0...50 | | | |
| | IP protection class | | IP 55 | | | |
| | Certification / Safety Standard | | VDE2510-50, IEC62619, IEC62477, IEC62040, UN38.3, CE, EN 61000-6-2, EN 61000-6-3 | | | |

1) According to the battery manufacturer
2) Due to §14a (controllable consumers), please note that in Germany certain inverter/battery combinations must be externally controllable by the energy supplier so that the maximum possible battery charging capacity from the grid does not exceed 4.2 kWh. Further information on this can be found in the inverter operating instructions under 'External battery control via digital inputs'
3) Pylontech Force-H2-V2 battery compatible with BMS modul: FC0500M-40S-V2 mit article number 11FC0500MZA-00013

# PLENTICORE G3 with PYLONTECH Force-H3



| | PYLONTECH Force | | H3 10.2 | H3 15.36 | H3 20.48 | H3 25.6 | H3 30.72 | H3 35.85 |
|---|---|---|---|---|---|---|---|---|
| System data | Modul type | | Li-Ion LFP<br>5.12 kWh, 102.4 V, 50 Ah, 39 kg | | | | | |
| | Max. Charging/discharging current battery system | A | 50/50 | | | | | |
| | Max. Charging/discharging current battery input PLENTICORE S G3 | A | 17/17 | | | | | |
| | Max. Power consumption with PLENTICORE S G3 - 4.0 | kW | 3.5 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| | Max. Power consumption with PLENTICORE S G3 - 5.5 | kW | 3.5 | 5.2[2)] | 5.5[2)] | 5.5[2)] | 5.5[2)] | 5.5[2)] |
| | Max. Power consumption with PLENTICORE S G3 - 7.0 | kW | 3.5 | 5.2[2)] | 7.0[2)] | 7.0[2)] | 7.0[2)] | 7.0[2)] |
| | Max. Charging/discharging current battery input PLENTICORE M G3 | A | 30/30 | | | | | |
| | Max. Power consumption with PLENTICORE M G3 - 8.5 | kW | 6.1[2)] | 8.5[2)] | 8.5[2)] | 8.5[2)] | 8.5[2)] | 8.5[2)] |
| | Max. Power consumption with PLENTICORE M G3 - 10 | kW | 6.1[2)] | 9.2[2)] | 10.0[2)] | 10.0[2)] | 10.0[2)] | 10.0[2)] |
| | Max. Power consumption with PLENTICORE M G3 - 12.5 | kW | 6.1[2)] | 9.2[2)] | 12.3[2)] | 12.5[2)] | 12.5[2)] | 12.5[2)] |
| | Max. Charging/discharging current battery input PLENTICORE L G3 | A | 30/30 | | | | | |
| | Max. Power consumption with PLENTICORE L G3 - 15 | kW | 6.1[2)] | 9.2[2)] | 12.3[2)] | 15.0[2)] | 15.0[2)] | 15.0[2)] |
| | Max. Power consumption with PLENTICORE L G3 - 17.5 | kW | 6.1[2)] | 9.2[2)] | 12.3[2)] | 15.4[2)] | 17.5[2)] | 17.5[2)] |
| | Max. Power consumption with PLENTICORE L G3 - 20 | kW | 6.1[2)] | 9.2[2)] | 12.3[2)] | 15.4[2)] | 18.4[2)] | 20.0[2)] |
| | Usable capacity 95% DoD[1)] | kWh | 9.7 | 14.6 | 19.5 | 24.3 | 29.2 | 34.0 |
| | Usable capacity 100% DoD[1)] | kWh | 10.2 | 15.4 | 20.5 | 25.6 | 30.7 | 35.8 |
| | Number of battery modules | | 2 | 3 | 4 | 5 | 6 | 7 |
| | Nominal voltage | V | 204.8 | 307.2 | 409.6 | 512 | 614.4 | 716.8 |
| | Voltage range | V | 185.6-230.4 | 278.4-345.6 | 371.2-460.8 | 464-576 | 556-691.2 | 649.6-806.4 |
| | Interface to inverter | | RS485 | | | | | |
| | Height | mm | 530 | 700 | 870 | 1040 | 1210 | 1380 |
| | Width/depth | mm | 540/350 | | | | | |
| | Weight | kg | 92 | 131 | 170 | 209 | 248 | 287 |
| | Ambient temperature | °C | -10...50 | | | | | |
| | IP protection class | | IP 55 | | | | | |
| | Certification / Safety Standard | | UL9540A/UL1973/IEC62619/IEC63056/IEC62040-1/VDE-AR-E 2510-50/ IEC62477-1/UN38.3 | | | | | |

1) According to the battery manufacturer
2) Due to §14a (controllable consumers), please note that in Germany certain inverter/battery combinations must be externally controllable by the energy supplier so that the maximum possible battery charging capacity from the grid does not exceed 4.2 kWh. Further information on this can be found in the inverter operating instructions under 'External battery control via digital inputs'

# PLENTICORE G3 with VARTA.wall.BM1



| | VARTA.wall.BM1 | | 10 | 15 | 20 |
|---|---|---|---|---|---|
| System data | Modul type | | Li-Ion (NCA), 5.00 kWh, 2x50.4 V, 26 Ah, 37 kg | | |
| | Max. Charging/discharging current battery system | A | 22/26 | | |
| | Max. Charging/discharging current battery input PLENTICORE S G3 | A | 17/17 | | |
| | Max. Power consumption with PLENTICORE S G3 - 4.0 | kW | 3.4 | 4.0 | 4.0 |
| | Max. Power consumption with PLENTICORE S G3 - 5.5 | kW | 3.4 | 5.1[2)] | 5.5[2)] |
| | Max. Power consumption with PLENTICORE S G3 - 7.0 | kW | 3.4 | 5.1[2)] | 6.9[2)] |
| | Max. Charging/discharging current battery input PLENTICORE M G3 | A | 30/30 | | |
| | Max. Power consumption with PLENTICORE M G3 - 8.5 | kW | 5.2[2)] | 7.9[2)] | 8.5[2)] |
| | Max. Power consumption with PLENTICORE M G3 - 10 | kW | 5.2[2)] | 7.9[2)] | 10.0[2)] |
| | Max. Power consumption with PLENTICORE M G3 - 12.5 | kW | 5.2[2)] | 7.9[2)] | 10.5[2)] |
| | Max. Charging/discharging current battery input PLENTICORE L G3 | A | 30/30 | | |
| | Max. Power consumption with PLENTICORE L G3 - 15 | kW | 5.2[2)] | 7.9[2)] | 10.5[2)] |
| | Max. Power consumption with PLENTICORE L G3 - 17.5 | kW | 5.2[2)] | 7.9[2)] | 10.5[2)] |
| | Max. Power consumption with PLENTICORE L G3 - 20 | kW | 5.2[2)] | 7.9[2)] | 10.5[2)] |
| | Usable capacity 95% DoD[1)] | kWh | 9,5 | 14,25 | 19 |
| | Usable capacity 100% DoD[1)] | kWh | 10 | 15 | 20 |
| | Number of battery modules | | 2 | 3 | 4 |
| | Nominal voltage | V | 201.6 | 302.4 | 403.2 |
| | Voltage range | V | 168 - 226.8 | 252 - 340.2 | 336 - 453.6 |
| | Interface to inverter | | RS485 | | |
| | Height | mm | 1306 | 1752 | 2197 |
| | Width/depth | mm | 605 / 135 | | |
| | Weight | kg | 87 | 124 | 161 |
| | Ambient temperature | °C | 2...42 | | |
| | IP protection class | | IP 55 | | |
| | Certification / Safety Standard | | CE, UN 38.3, IEC 62619:2017, VDE-AR-E 2510-50:2017-05, IEC 61000-6-2, IEC 61000-6-3 | | |

1) According to the battery manufacturer
2) Due to §14a (controllable consumers), please note that in Germany certain inverter/battery combinations must be externally controllable by the energy supplier so that the maximum possible battery charging capacity from the grid does not exceed 4.2 kWh. Further information on this can be found in the inverter operating instructions under 'External battery control via digital inputs'

# PLENTICORE G3 with VARTA.wall.BM2



| | VARTA.wall.BM2 | | 9 | 13,5 | 18 |
|---|---|---|---|---|---|
| System data | Modul type | | LFP, 4.5 kWh, 2x44.8 V, 52 Ah, 43.5 kg | | |
| | Max. Charging/discharging current battery system | A | 26/26 | | |
| | Max. Charging/discharging current battery input PLENTICORE S G3 | A | 17/17 | | |
| | Max. Power consumption with PLENTICORE S G3 - 4.0 | kW | 3.0 | 4.0 | 4.0 |
| | Max. Power consumption with PLENTICORE S G3 - 5.5 | kW | 3.0 | 4.6[2)] | 5.5[2)] |
| | Max. Power consumption with PLENTICORE S G3 - 7.0 | kW | 3.0 | 4.6[2)] | 6.1[2)] |
| | Max. Charging/discharging current battery input PLENTICORE M G3 | A | 30/30 | | |
| | Max. Power consumption with PLENTICORE M G3 - 8.5 | kW | 4.7[2)] | 7.0[2)] | 8.5[2)] |
| | Max. Power consumption with PLENTICORE M G3 - 10 | kW | 4.7[2)] | 7.0[2)] | 9.3[2)] |
| | Max. Power consumption with PLENTICORE M G3 - 12.5 | kW | 4.7[2)] | 7.0[2)] | 9.3[2)] |
| | Max. Charging/discharging current battery input PLENTICORE L G3 | A | 30/30 | | |
| | Max. Power consumption with PLENTICORE L G3 - 15 | kW | 4.7[2)] | 7.0[2)] | 9.3[2)] |
| | Max. Power consumption with PLENTICORE L G3 - 17.5 | kW | 4.7[2)] | 7.0[2)] | 9.3[2)] |
| | Max. Power consumption with PLENTICORE L G3 - 20 | kW | 4.7[2)] | 7.0[2)] | 9.3[2)] |
| | Usable capacity 95% DoD[1)] | kWh | 8.6 | 12.8 | 17.1 |
| | Usable capacity 100% DoD[1)] | kWh | 9.0 | 13.5 | 18.0 |
| | Number of battery modules | | 2 | 3 | 4 |
| | Nominal voltage | V | 179.2 | 168.8 | 358.4 |
| | Voltage range | V | 140-201.6 | 210-302.4 | 280-403.2 |
| | Interface to inverter | | RS485 | | |
| | Height | mm | 1306 | 1752 | 2197 |
| | Width/depth | mm | 605 / 140 | | |
| | Weight | kg | 100 | 143.5 | 187 |
| | Ambient temperature | °C | -10...45 | | |
| | IP protection class | | IP 55 | | |
| | Certification / Safety Standard | | CE, UN 38.3, IEC 62619:2017, VDE-AR-E 2510-50:2017-05, IEC 61000-6-2, IEC 61000-6-3 | | |

1) According to the battery manufacturer
2) Due to §14a (controllable consumers), please note that in Germany certain inverter/battery combinations must be externally controllable by the energy supplier so that the maximum possible battery charging capacity from the grid does not exceed 4.2 kWh. Further information on this can be found in the inverter operating instructions under 'External battery control via digital inputs'

# PLENTICORE G3 with ZYC SIMPO HV



| | ZYC SIMPO HV | | 6.4 | 9.6 | 12.8 | 16 | 19.2 | 22.4 | 25.6 | 28.8 |
|---|---|---|---|---|---|---|---|---|---|---|
| System data | Modul type | | Li-Ion LFP, 3.2 kWh, 64 V, 50 Ah, 36.4 kg | | | | | | | |
| | Max. Charging/discharging current battery system | A | 30/30 | | | | | | | |
| | Max. Charging/discharging current battery input PLENTICORE S G3 | A | 17/17[3] | | | | | | | |
| | Max. Power consumption with PLENTICORE S G3 - 4.0 | kW | 2.0 | 3.3 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| | Max. Power consumption with PLENTICORE S G3 - 5.5 | kW | 2.0 | 3.3 | 4.4[2] | 5.4[2] | 5.5[2] | 5.5[2] | 5.5[2] | 5.5[2] |
| | Max. Power consumption with PLENTICORE S G3 - 7.0 | kW | 2.0 | 3.3 | 4.4[2] | 5.4[2] | 6.5[2] | 7.0[2] | 7.0[2] | 7.0[2] |
| | Max. Charging/discharging current battery input PLENTICORE M G3 | A | 30/30 | | | | | | | |
| | Max. Power consumption with PLENTICORE M G3 - 8.5 | kW | 3.8 | 5.8[2] | 7.7[2] | 8.5[2] | 8.5[2] | 8.5[2] | 8.5[2] | 8.5[2] |
| | Max. Power consumption with PLENTICORE M G3 - 10 | kW | 3.8 | 5.8[2] | 7.7[2] | 9.6[2] | 10.0[2] | 10.0[2] | 10.0[2] | 10.0[2] |
| | Max. Power consumption with PLENTICORE M G3 - 12.5 | kW | 3.8 | 5.8[2] | 7.7[2] | 9.6[2] | 11.5[2] | 12.5[2] | 12.5[2] | 12.5[2] |
| | Max. Charging/discharging current battery input PLENTICORE L G3 | A | 30/30 | | | | | | | |
| | Max. Power consumption with PLENTICORE L G3 - 15 | kW | 3.8 | 5.8[2] | 7.7[2] | 9.6[2] | 11.5[2] | 13.4[2] | 15,0[2] | 15,0[2] |
| | Max. Power consumption with PLENTICORE L G3 - 17.5 | kW | 3.8 | 5.8[2] | 7.7[2] | 9.6[2] | 11.5[2] | 13.4[2] | 15,4[2] | 17,3[2] |
| | Max. Power consumption with PLENTICORE L G3 - 20 | kW | 3.8 | 5.8[2] | 7.7[2] | 9.6[2] | 11.5[2] | 13.4[2] | 15,4[2] | 17,3[2] |
| | Usable capacity 95% DoD[1] | kWh | 6.1 | 9.1 | 12.2 | 15.2 | 18.2 | 21.3 | 24,3 | 27,4 |
| | Usable capacity 100% DoD[1] | kWh | 6.4 | 9.6 | 12.8 | 16.0 | 19.2 | 22.4 | 25,6 | 28,8 |
| | Number of battery modules | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | Nominal voltage | V | 128 | 192 | 256 | 320 | 384 | 448 | 512 | 576 |
| | Voltage range | V | 120-146[3] | 180-219 | 240-292 | 300-365 | 360-438 | 420-511 | 480-584 | 540-657 |
| | Interface to inverter | | RS485 | | | | | | | |
| | Height | mm | 670 | 860 | 1050 | 1240 | 1430 | 1620 | 1810 | 2000 |
| | Width/depth | mm | 610/240 | | | | | | | |
| | Weight | kg | 92.5 | 128.9 | 165.3 | 201.7 | 238.1 | 274.5 | 310.9 | 354.0 |
| | Ambient temperature | °C | -10...50 | | | | | | | |
| | IP protection class | | IP 65 | | | | | | | |
| | Certification / Safety Standard | | CEC, CE, UN 38.3, IEC 62619, VDE-AR-E 2510-50, IEC 61000-6-2, IEC 61000-6-3 | | | | | | | |

1) According to the battery manufacturer
2) Due to §14a (controllable consumers), please note that in Germany certain inverter/battery combinations must be externally controllable by the energy supplier so that the maximum possible battery charging capacity from the grid does not exceed 4.2 kWh. Further information on this can be found in the inverter operating instructions under 'External battery control via digital inputs'
3) Limited charge/discharge current 11.5–14.1 A (in the voltage range 120–146 V)

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