







# STORION POWERPLUG 48V & POWERPLUG PLUS



-  Plug & Play
-  Modular
-  Safety

Type	PowerPlug	Powerplug Plus
Dimension (W x D x H)	600 x 600 x 990 mm	600 x 600 x 1390 mm
Max. Modules	4	6
Color	Black	
Protection Level	IP20	

## Battery Module

Physical			
Model	M4860	M48100	M48112-P
System Weight	Approx. 40 kg	Approx. 63 kg	Approx. 63 kg
Dimension (W x D x H)	482 x 460 x 156 mm	482 x 580 x 158 mm	482 x 580 x 158 mm
Battery Type	LiFePO <sub>4</sub> (LFP)	LiFePO <sub>4</sub> (LFP)	LiFePO <sub>4</sub> (LFP)
Cell Manufacturer			
Protection Level	IP20	IP20	IP20
Electrical			
Installed Capacity	3.0 kWh	4.8 kWh	5.4 kWh
Usable Capacity	2.7 kWh	4.3 kWh	4.8 kWh
DOD	90%	90%	90%
Nominal Voltage	51.2 V	48 V	48 V
Operation Voltage Range	45-58 V	46 - 54 V	46 - 54 V
Internal Resistance	≤ 50 mΩ	≤30 mΩ	≤30 mΩ
Cycle Life	≥ 8000	≥6000	≥6000
Communication	CAN and RS-485 compatible		
Standards	UN38.3, IEC62619		
Operation			
Max. Charge Current	30 A (0.5C)	50A (0.5C)	56A (0.5C)
Max. Discharge Current	30 A (0.5C)	50A (0.5C)	56A (0.5C)
Power Consumption	< 2 W	< 2 W	< 2 W
Operating Temperature Range	-10°C ~ 50°C	-10°C ~ 50°C	-10°C ~ 50°C
Transport or Storage Temperature Range	-10°C ~ 45°C	-20°C ~ 45°C	-20°C ~ 45°C
Humidity	15% ~ 85%	15% ~ 85%	15% ~ 85%
Warranty			
Product Warranty	5 Years		
Performance Warranty	10 Years		

\* When the temperature is below 0°C, batteries are not allowed to be charged, and they will derate power output when it is above 40°C.



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