

STORION POWERPLUG

BATTERY SYSTEM DESIGNED FOR PV HOUSEHOLD APPLICATION















DATASHEET

Storion PowerPlug	
Dimension (W X D X H)	600 × 600 × 800 mm
Max. Modules	4
Color	Black
IP Protection Class	IP20
Cabinet Standards	ANSI EIA, RS-310-D, IEC 297-2, DIN 41491, PART1, DIN 41494, PART7

Battery Module

Physical Model M4850-M M4860-M System Weight Approx. 33 kg Approx. 40 kg Dimension (W X D X H) 482 × 460 × 132 mm 482 × 460 × 156 mm Battery Type LiFePO4 (LFP) Cell Manufacturer IP20 Electrical Energy Capacity 2.5 KWh 3.0 KWh Usable Capacity 2.0 KWh 2.4 KWh DOD 80% Nominal Voltage 51.2 V Internal Resistance ≤100 mΩ Cycle Life ≥6000 @80% Communication CAN and RS485 compatible Standards UN38.3, IEC62619 IEC62477-1, IEC61000-6-1 IEC62109					
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Battery Type Cell Manufacturer Protection Level Electrical Energy Capacity Usable Capacity DOD 80% Nominal Voltage Internal Resistance Cycle Life Communication CAN and RS485 compatible UN38.3, IEC62619 IEC62477-1, IEC61000-6-1	System Weight	Approx. 33 kg	Approx. 40 kg		
Cell Manufacturer LISIEN Protection Level IP20 Electrical Energy Capacity 2.5 KWh 3.0 KWh Usable Capacity 2.0 KWh 2.4 KWh DOD 80% Nominal Voltage 51.2 V Internal Resistance ≤100 mΩ Cycle Life ≥6000 @80% Communication CAN and RS485 compatible Standards UN38.3, IEC62619 IEC62477-1, IEC61000-6-1	Dimension (W X D X H)	482 × 460 × 132 mm	482 × 460 × 156 mm		
Protection Level IP20 Electrical 2.5 KWh 3.0 KWh Usable Capacity 2.0 KWh 2.4 KWh DOD 80% Nominal Voltage 51.2 V Internal Resistance ≤100 mΩ Cycle Life ≥6000 @80% Communication CAN and RS485 compatible Standards UN38.3, IEC62619 IEC62477-1, IEC61000-6-1	Battery Type	LiFePO4 (LFP)			
Electrical Energy Capacity 2.5 KWh 3.0 KWh Usable Capacity 2.0 KWh 2.4 KWh DOD 80% Nominal Voltage 51.2 V Internal Resistance ≤100 mΩ Cycle Life ≥6000 @80% Communication CAN and RS485 compatible Standards UN38.3, IEC62619 IEC62477-1, IEC61000-6-1	Cell Manufacturer	LISMEN			
Energy Capacity 2.5 KWh 3.0 KWh Usable Capacity 2.0 KWh 2.4 KWh DOD 80% Nominal Voltage 51.2 V Internal Resistance ≤100 mΩ Cycle Life ≥6000 @80% Communication CAN and RS485 compatible Standards UN38.3, IEC62619 IEC62477-1, IEC61000-6-1	Protection Level	IP20			
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DOD 80% Nominal Voltage 51.2 V Internal Resistance ≤100 mΩ Cycle Life ≥6000 @80% Communication CAN and RS485 compatible Standards UN38.3, IEC62619 IEC62477-1, IEC61000-6-1	Energy Capacity	2.5 KWh	3.0 KWh		
Nominal Voltage 51.2 V Internal Resistance ≤100 mΩ Cycle Life ≥6000 @80% Communication CAN and RS485 compatible Standards UN38.3, IEC62619 IEC62477-1, IEC61000-6-1	Usable Capacity	2.0 KWh	2.4 KWh		
Internal Resistance	DOD	80%			
Cycle Life ≥6000 @80% Communication CAN and RS485 compatible UN38.3, IEC62619 IEC62477-1, IEC61000-6-1	Nominal Voltage	51.2 V			
Communication CAN and RS485 compatible UN38.3, IEC62619 Standards IEC62477-1, IEC61000-6-1	Internal Resistance	≤100 mΩ			
UN38.3, IEC62619 Standards IEC62477-1, IEC61000-6-1	Cycle Life	≥6000 @80%			
Standards IEC62477-1, IEC61000-6-1	Communication	CAN and RS485 compatible			
	Standards	IEC62477-1, IEC61000-6-1			

Operation			
Model	M4850-M	M4860-M	
Max. Charge Current	25 A (0.5C)	30 A (0.5C)	
Max. Discharge Current	25 A (0.5C)	30 A (0.5C)	
Max. Charge Current (OFF-GRID)	25 A (0.5C)	30 A (0.5C)	
Max. Discharge Current (OFF-GRID)	50 A (1C)	60 A (1C)	
Max. Discharge Pulse Current (10S)	100 A		
Power Consumption	< 2 W		
Operating Temperature Range	0°C To 40°C		
Transport Or Storage Temperature Range	-10°C To 45°C		
Humidity	15% - 85%		
Warranty			
Product Warranty	5 Years		
Performance Warranty	10 Years		
Extendible Warranty	20 Years		







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