



# STORION POWERPLUG

BATTERY SYSTEM DESIGNED FOR PV HOUSEHOLD APPLICATION



Plug & Play



Modular



Safety



20 Years Lifetime

SMARTEN  
YOUR  
ENERGY



## 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	<b>LISHEN</b>	
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	≥8000 @80%	
Communication	CAN and RS485 compatible	
Standards	UN38.3, IEC62619 IEC62477-1, IEC61000-6-1 IEC62109	

#### 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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