

ASTERION POWERWALL 5.12KWH 51.2V

Lithium-ion (LiFePO₄) electric power storage for use in conjunction with inverters

Brand **ASTERION**
Model **POWERWALL 5.12KWH 51.2V**

Nominal parameters

Rated voltage	51.2V
Capacity	100AH
Stored energy	5.12KWH
Netto dimensions (H x W x D)	700 x 470 x 210 mm
Netto weight	67 kg

Basic parameters

Service life (at 25 °C)	over 15 years
Service life (discharge depth 80 % at 25 °C)	
Current 0.5C (50 A)	over 6000 cycles
Current 1C (100A)	over 3000 cycles
Storage temperature	-10 °C to 60 °C at a relative humidity of 60 ±20 %



Operating temperature From 5°C to 50°C at a relative humidity of 60 ± 20 %

Standards IEC62619, UL1642, UN38.3

Protection class IP20

Electrical parameters

Operating voltage	51.2V DC
Max. charge voltage	54.4V DC
Discharge termination voltage	49.6V DC
Rated charge current	50A (0.5C)
Max. charge current	100A (1C)
Rated discharge current	100A (1C)
Max. discharge current	100A (1C)

Country of origin: Turkey

List of Energy Storage Inverters protocol

CAN protocol

Brand Invertor	Type	Compatible inverters
PYLON	SUN-3.6K-SG03LP1-EU	Deye
Growatt	SPF 5000 ES	
Goodwe	GW3648D-ES	
Victron	Victron48-3000-35	
Sofar	HYD 3000-ES	Helnon, Sofar, SMA
Megarevo	R5KL1	
SOL-ARK		to be added
LUX POWER		

485 protocol

PYLON		
Growatt	SPF 5000TL, HVMWPV-P	
SRNE	HF4830S60-145, HF4850S80-H	
Voltronic	EM3624MP(24V)	
Must	PV18-3048	
SOL-ARK		