



HYNER TECHNOLOGY

RESIDENTIAL SOLUTIONS

Reliable Power. Smarter Living.





All-in-One Energy Storage System ESS-3.6 8-1PN-a - 8038 Wh

Compact residential and small commercial energy storage solution. Provides safe LiFePO4 chemistry, integrated inverter, PV input, and intelligent household energy management.



Technical Specification

No	Item	General Parameter	Remark
1	Battery Cell	LiFePO4	
2	Capacity	8038 Wh	
3	Rated Output (AC)	3600 VA	
4	Waveform	Pure sine wave	
5	Maximum Inductive Load	50/60 Hz	
6	Rated Input Voltage (AC)	220 V	
7	Input Current	40 A	
8	PV Max Input Power	5000 W	
9	PV Max Input Current	18 A	
10	MPPT Voltage Range	40 VDC – 450 VDC	
11	Max PV Voltage	500 V	
12	Charging Temp Range	0 – 50 °C	
13	Discharge Temp. Range	-15 – 50 °C	
14	Storage Env. Temp	-15 – 35 °C	
15	Cycle Life	≥ 8000 cycles @ 25 °C ± 2 °C, 0.5P, 70% SOH	
16	Weight	40 ± 2 kg	
17	Dimension (L × W × H)	460 × 230 × 800 mm	

*This data sheet may change without notice at the sole discretion of the manufacturer.



18	IP Rating	IP20	
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