



HM5-MAX/HM10 (Single Phase)

ALL-IN-ONE RESIDENTIAL ENERGY STORAGE SYSTEM



Smart Protection with Built-in Fire Extinguisher



Class-leading Charge & Discharge Speed



IP66-Rated Enclosure & Temperature Resistance



Modular Design with Scalable Capacity



10-Year Warranty with Public Liability Insurance



Premium Local Support with 24/7 Monitoring



Virtual Power Plant (VPP) Compatible

ESY SUNHOME AUSTRALIA PTY LTD

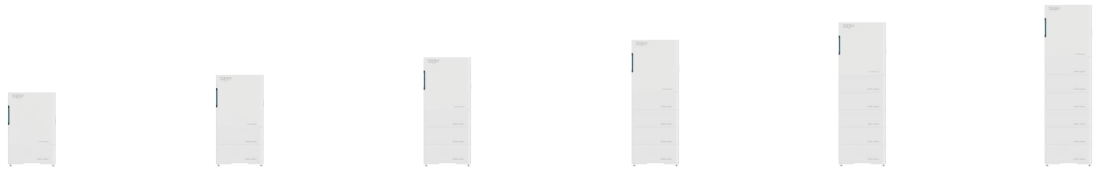


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HM5-MAX/HM10 All-in-One System



Model	HM5-MAX/HM10-05	HM5-MAX/HM10-10	HM5-MAX/HM10-15	HM5-MAX/HM10-20	HM5-MAX/HM10-25	HM5-MAX/HM10-30
Battery Quantity	1	2	3	4	5	6
Max. Output Power	5/10 kW	5/10 kW	5/10 kW	5/10 kW	5/10 kW	5/10 kW
Rated Output Power (off-grid mode)	4.9 kW	9.7 kW	10 kW	10 kW	10 kW	10 kW
Battery Capacity	5.12 kWh	10.24 kWh	15.36 kWh	20.48 kWh	25.60 kWh	30.72 kWh
Usable Capacity	4.86 kWh	9.73 kWh	14.59 kWh	19.46 kWh	24.32 kWh	29.18 kWh
Dimensions (LxWxH)	600x305x908 mm	600x305x1128 mm	600x305x1348 mm	600x305x1568 mm	600x305x1788 mm	600x305x2008 mm
Weight	113 kg	163 kg	213 kg	263 kg	313 kg	363 kg

Parameters	ESYSUNHOME HM5-MAX	ESYSUNHOME HM10
PV Input		
Max. Input Power	18 kW	
Rated Input Voltage	360 Vd.c.	
Max. Input Voltage	550 Vd.c.	
Starting Voltage	150 Vd.c.	
MPPT Voltage Range	100 Vd.c.~540 Vd.c.	
PV Max. Input Current	30 Ad.c./30 Ad.c.	
Max. Short Circuit Current	40 Ad.c./40 Ad.c.	
Battery		
Battery Type	LiFePO4	
Cycle Life	≥6000 Cycles 25 °C	
Rated Voltage	51.2 Vd.c.	
Voltage Range	42.0 Vd.c.~57.6 Vd.c.	
Rated Charge Current	196 Ad.c.	
Rated Discharge Current	196 Ad.c.	
AC Grid		
Rated Input Power	10 kW	
Rated Output Power	5 kW	9.9 kW
Max. Output Apparent Power	5 kVA	9.9 kVA
Rated Voltage	230 Va.c. L/N/PE	
Rated Input/Output Current	43.4 Aa.c./21.7 Aa.c.	43.4 Aa.c./43.4 Aa.c.
Rated Output Frequency	50 Hz	
Power Factor Range	0.8 leading~0.8 lagging	
Backup		
Rated Output Power	10 kW	
Max. Apparent Output Power	10 kVA	
Rated Output Voltage	230 Va.c. L/N/PE	
Rated Output Current	43.5 Aa.c.	
Rated Output Frequency	50 Hz	
Waveform	Sine Wave	
Protection		
Anti-islanding Protection	Yes	
PV Reverse Polarity Protection	Yes	
Insulation Resistance Detection	Yes	
Residual Current Detection	Yes	
Output Overcurrent Protection	Yes	
Output Short Circuit Protection	Yes	
Overvoltage Category	II (for DC); III (for AC)	
Battery Reverse Polarity Protection	Yes	
General		
Max. Efficiency (PV to Grid)	97.80%	
MPPT Efficiency	99.90%	
Install Method	Wall-Mounted & Floor-Standing	
Communication	WiFi (2.4GHz)/USB/RS485/CAN	
Application Software Support System	iOS/Android/Web	
Cooling Method	Intelligent air cooling	
Operating Temperature Range	-25 °C~60 °C	
Relative Humidity	0~100%	
Noise Level at 1m	≤55 dB	
Ingress Protection Rating	IP66	
Warranty	120 months	
Applicable Standards	AS 4777.2; CEC; Inverter: IEC 62109-1; IEC 62109-2; IEC 62619:2022; ISO 13849; IEC/EN 62040-1; VDE 2510-050:2017; IEC 61000-6-1; IEC 61000-6-3	
Country of Manufacture	China	

* Specifications are subject to change without notice.

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