



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

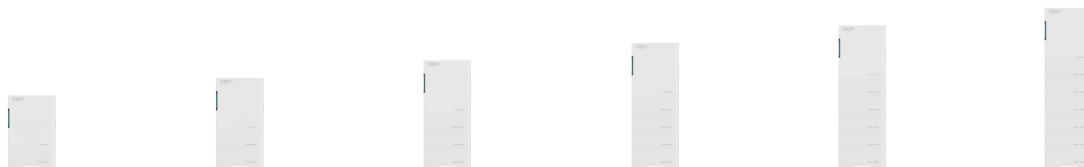


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HM5-MAX/HM10 All-in-One System



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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