

HM6 (SINGLE PHASE)

All-In-One Residential Energy Storage System

IP66

IP66
ENCLOSURES



COLD TEMPERATURE
RESISTANCE



Easy Installation



24/7 Monitoring System



Secure Backup Power for
Power Outages



Artificial Intelligence



Expandable Capacity 5kWh-30kWh



Model	No. of Modules	Max. Output Power	Usable Energy	Dimensions (LxWxH)	Weight
HM6-05	1	5 kW	5.12 kWh	600x305x778 mm	93 kg
HM6-10	2	6 kW	10.24 kWh	600x305x998 mm	143 kg
HM6-15	3	6 kW	15.36 kWh	600x305x1218 mm	193 kg
HM6-20	4	6 kW	20.48 kWh	600x305x1438 mm	243 kg
HM6-25	5	6 kW	25.60 kWh	600x305x1658 mm	293 kg
HM6-30	6	6 kW	30.72 kWh	600x305x1878 mm	343 kg

Parameters			
Battery Type	IFpP	Cooling Method	Natural Cooling
Cycle Life	≥6000 Times 25 °C	Operating Temperature Range	-25~60 °C (Derating above 45 °C)
Max. Efficiency	97.8%	Optimum Operating Temperature Range	25±2 °C
MPPT Efficiency	99.9%	Humidity	0~100% Relative Humidity
Mounting	Modular Stacking/Ground	Noise Level	≤25 dB
Communication	WiFi/Bluetooth/DRM	Protection Rating	IP66
Application Software Support System	iOS/Android/Web	Warranty	10 Years

PV Input		Backup	
Max. Input Power	8 kW	Rated Output Power	6 kW
Rated Input Voltage	360 Vd.c.	Max. Apparent Output Power	6000 VA
Max. Input Voltage	550 Vd.c.	Rated Output Voltage	230 Va.c. L/N/PE
Starting Voltage	150 Vd.c.	Rated Output Current	26.09 Aa.c.
MPPT Voltage Range	100 Vd.c.~540 Vd.c.	Rated Output Frequency	50/60 Hz
PV Max. Input Current	15 Ad.c./15 Ad.c.	Waveform	Sine Wave
Max. Short Circuit Current	20 Ad.c./20 Ad.c.		

Battery		Protection	
Rated Voltage	51.2 Vd.c.	Anti-islanding Protection	Yes
Voltage Range	40.8 Vd.c.~57.6 Vd.c.	PV Reverse Polarity Protection	Yes
Rated Charge Current	100 Ad.c.	Insulation Resistance Detection	Yes
Rated Discharge Current	120 Ad.c.	Residual Current Detection	Yes
		Output Overcurrent Protection	Yes
		Output Short Circuit Protection	Yes
		Overvoltage Category	II (for PV/Battery) III (for AC Grid Mains)
		Battery Reverse Polarity Protection	Yes

ESY SUNHOME AUSTRALIA PTY LTD

Address: 3/52-60 Roberts Road Greenacre NSW 2190

Email: info-au@esysunhome.com.au

Website: www.esysunhome.com

