



TAKE THE SUN HOME

HM5 / 6 (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



Address: 3/52-60 Roberts Road Greenacre NSW 2190
 Email: info-au@esysunhome.com.au
 Tel: +61 2 9166 7642

HM5/HM6 All-in-One System



Model	HM5/6-05	HM5/6-10	HM5/6-15	HM5/6-20	HM5/6-25	HM5/6-30
Battery Quantity	1	2	3	4	5	6
Max. Output Power	5 / 6 kW	5 / 6 kW	5 / 6 kW	5 / 6 kW	5 / 6 kW	5 / 6 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)	600x305x778 mm	600x305x998 mm	600x305x1218 mm	600x305x1438 mm	600x305x1658 mm	600x305x1878 mm
Weight	93 kg	143 kg	193 kg	243 kg	293 kg	343 kg

Parameters	ESYSUNHOME HM5	ESYSUNHOME HM6
PV Input		
Max. Input Power	8000 W	
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	15 Ad.c./15 Ad.c.	
Max. Short Circuit Current	20 Ad.c./20 Ad.c.	
Battery		
Rated Voltage	51.2 Vd.c.	
Voltage Range	40.8 Vd.c.~57.6 Vd.c.	
Short Circuit Current	313 Ad.c.	
Rated Charge Current	100 Ad.c.	
Rated Discharge Current	120 Ad.c.	
AC Grid		
Rated Input Power	5000 W	6000 W
Rated Output Power	5000 W	6000 W
Max. Output Apparent Power	5000 VA	6000 VA
Rated Voltage	230 Va.c. L/N/PE	
Input Voltage Range	184 Va.c.~276 Va.c.	
Rated Current	21.74 Aa.c.	26.09 Aa.c.
Rated Output Frequency	50 Hz	
Power Factor Range	0.8 leading~0.8 lagging	
Backup		
Rated Output Power	5000 W	6000 W
Max. Apparent Output Power	5000 VA	6000 VA
Rated Output Voltage	230 Va.c. L/N/PE	
Rated Output Current	21.74 Aa.c.	26.09 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	97.8%	
MPPT Efficiency	99.9%	
Install Method	Wall-Mounted & Floor-Standing	
Communication	WiFi(2.4GHz)/USB/RS485/CAN	
Application Software Support System	iOS/Android/Web	
Cooling Method	Natural Cooling	
Operating Temperature Range	-25 °C~60 °C	
Relative Humidity	0~100%	
Noise Level at 1m	≤25 dB	
Ingress Protection Rating	IP66	
Warranty	120 months	
Applicable Standards	AS 4777.2; CEC; IEC 62109-1; IEC 62109-2; Battery: 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	

Trusted by Our Partners

