



TAKE THE SUN HOME

HM5 / 6 (Single Phase)

ALL-IN-ONE RESIDENTIAL ENERGY STORAGE SYSTEM



5 Layers of
Battery Protection



IP66-rated
Enclosures



24/7 Monitoring
System



Modular Design with
Scalable Capacity



Premium Local Support
& 10-Year Warranty



\$20M Liability
Cover

ESY SUNHOME AUSTRALIA PTY LTD

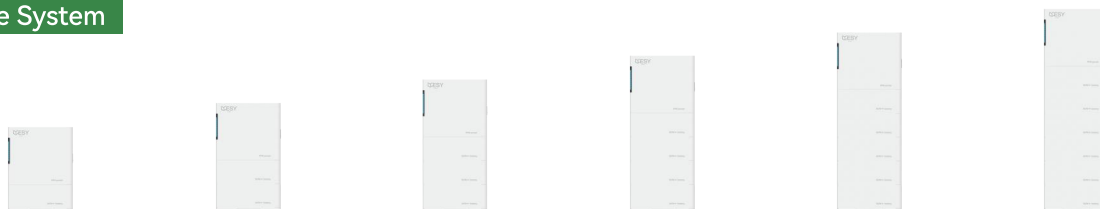


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HM5/HM6 All-in-One System



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	HM5	HM6
Battery Type	LiFePO4	
Cycle Life	≥6000 Cycles 25 °C	
Max. Efficiency	97.8%	
MPPT Efficiency	99.9%	
Mounting	Modular Stacking/Ground	
Communication	WiFi/Bluetooth/DRM/4G	
Application Software Support System	iOS/Android/Web	
Cooling Method	Natural Cooling	
Operating Temperature Range	-25~60 °C (Derating above 45 °C)	
Optimum Operating Temperature Range	25±2 °C	
Humidity	0~100% Relative Humidity	
Noise Level	≤25 dB	
Protection Rating	IP66	
Warranty	10 Years	

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.

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		Battery	
Anti-islanding Protection	Yes	Rated Voltage	51.2 Vd.c.
PV Reverse Polarity Protection	Yes	Voltage Range	40.8 Vd.c.~57.6 Vd.c
Insulation Resistance Detection	Yes	Short Circuit Current	313 Ad.c.
Residual Current Detection	Yes	Rated Charge Current	100 Ad.c.
Output Overcurrent Protection	Yes	Rated Discharge Current	120 Ad.c.
Output Short Circuit Protection	Yes		
Overvoltage Category	II (for DC); III (for AC)		
Battery Reverse Polarity Protection	Yes		

Trusted by Our Partners



Applicable Standards

Grid Connection: AUS: AS 4777.2; CEC; DE: DIN VDE V 0124-100:2020; VDE-AR-N 4105:2018; AT: OVE Directive R 25:2020; TOR Erzeuger Type A V1.2; IT: CEI 0-21; UK: G99/1-8 typeA; IE: Distribution Code Version 8; BE: C10/11:2021; CH: NA/EEA-NE7-CH:2020; ES: NTS 631 V21 SEPE (type A); UNE 217001; UNE 217002; PT: RfG + Portugal deviation
Safety: Inverter: IEC 62109-1; IEC 62109-2; Battery: IEC 62619:2022; ISO 13849; IEC/EN 62040-1; VDE 2510-050:2017
EMC: IEC 61000-6-1; IEC 61000-6-3