



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
Enclosures



Modular Design
with
Scalable Capacity



24/7
Monitoring
System



Premium Local
Support &
10-Year Warranty



Temperature
Resistance



VPP-ready with
\$20M Public
Liability Insurance

ESY SUNHOME AUSTRALIA PTY LTD

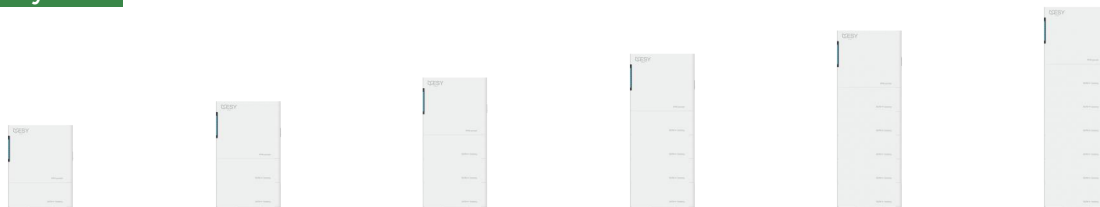


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HM5/HM6 All-in-One System



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%				
Install Method		Wall-Mounted & Floor-Standing				
Communication		WiFi/GPRS (Optional)/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				
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