



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

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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	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			

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