



TAKE THE SUN HOME

HM5 / HM6 (Single Phase)

ALL-IN-ONE RESIDENTIAL ENERGY STORAGE SYSTEM



5 Layers of
Battery Protection



IP66-rated
Enclosures



24/7 Monitoring
System



Modular
Installation



Scalable System
Capacity



Local Support
& Warranty

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HM5/HM6 All-in-One System



HM5 / 6-05



HM5 / 6-10



HM5 / 6-15



HM5 / 6-20



HM5 / 6-25



HM5 / 6-30

Model	HM5 / HM6-05	HM5 / HM6-10	HM5 / HM6-15	HM5 / HM6-20	HM5 / HM6-25	HM5 / HM6-30
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
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				50/60 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				50/60 Hz		
Waveform				Sine Wave		
Battery						
Rated Voltage				51.2 Vd.c.		
Voltage Range				40.8 Vd.c.~57.6 Vd.c		
Rated Charge Current				100 Ad.c.		
Rated Discharge Current				120 Ad.c.		
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 PV/Battery) III (for AC Grid Mains)		
Battery Reverse Polarity Protection				Yes		

Applicable Standards

Grid Connection: AUS: AS 4777.2; CEC+RCM; 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; FR: DIN VDE 0126-1-1 VFR:2019; 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