



TAKE THE SUN HOME

HM6 (Single Phase)

ALL-IN-ONE RESIDENTIAL ENERGY STORAGE SYSTEM



Easy
Installation



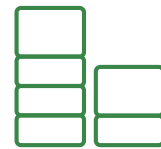
Temperature
Resistance

IP66

IP66
Waterproof



24-hour
Monitoring System



Expandable
Capacity



Artificial Intelligence
(AI) Operation

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Parameters

MODEL	HM6-05	HM6-10	HM6-15	HM6-20	HM6-25	HM6-30
Battery Quantity	1	2	3	4	5	6
Max. Output Power (kW)	5	6	6	6	6	6
Battery Capacity (kWh)	5.12	10.24	15.36	20.48	25.60	30.72
Dimensions (LxWxH mm)	600x305x778	600x305x998	600x305x1218	600x305x1438	600x305x1658	600x305x1878
Weight (kg)	93	143	193	243	293	343
Battery Type	IFpP					
Cycle Life	≥6000 Times 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 (°C)	-25~60 (Derating above 45 °C)					
Optimum Operating Temperature Range (°C)	25+2					
Humidity	0~100% Relative Humidity					
Noise Level (dB) at 1m	≤25					
Protection Rating	IP66					
Warranty	10 Years					
Country of Manufacture	China					

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.

Backup

Rated Output Power	6000 W
Max. Output Apparent Power	6000 VA
Rated Output Voltage	230 Va.c. L/N/PE
Rated Output Current	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.

AC Grid

Rated Input Power	6000 W
Rated Output Power	6000 W
Max. Output Apparent Power	6000 VA
Rated Voltage	230 Va.c. L/N/PE
Input Voltage Range	184 Va.c.~276 Va.c.
Rated Current	26.09 Aa.c.
Rated Output Frequency	50/60 Hz
Power Factor Range	0.8 leading~0.8 lagging

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: DINVDE 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