



TAKE THE SUN HOME

## HM6 (Single Phase)

### ALL-IN-ONE RESIDENTIAL ENERGY STORAGE SYSTEM



Easy  
Installation



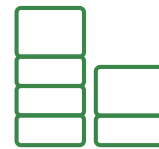
Temperature  
Resistance

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					

## 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.

## 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

## 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

## 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