



HM10 (Single-Phase) All-In-One Residential Energy Storage System

Model	No. of Modules	Max. Output Power	Usable Energy	Dimensions (LxWxH)	Weight
HM10-05	1	5 kW	5.12 kWh	600x305x778 mm	93 kg
HM10-10	2	10 kW	10.24 kWh	600x305x998 mm	143 kg
HM10-15	3	10 kW	15.36 kWh	600x305x1218 mm	193 kg
HM10-20	4	10 kW	20.48 kWh	600x305x1438 mm	243 kg
HM10-25	5	10 kW	25.60 kWh	600x305x1658 mm	293 kg
HM10-30	6	10 kW	30.72 kWh	600x305x1878 mm	343 kg

Parameters	
Battery Type	IFpP
Cycle Life	≥6000 Times 25 °C
Conversion Efficiency	≥98 %
MPPT Efficiency	99.9%
Mounting	Modular Stacking/Ground
Communication	WiFi/Bluetooth
Application Software Support System	iOS/Android/Web
Cooling Method	Air Cooling
Operating Temperature Range	-25~60 °C
Optimum Operating Temperature Range	25±2 °C
Humidity	0~100% Relative Humidity
Noise Level	≤45 dB
Protection Rating	IP66
Warranty	10 Years

PV Input

Max. Input Power	13 kW
Rated Input Voltage	360 Vd.c.
Max. Input Voltage	550 Vd.c.
MPPT Voltage Range	100 Vd.c.~540 Vd.c.
PV Max. Input Current	30 Ad.c./30 Ad.c.
Max. Short Circuit Current	40 Ad.c.

Backup

Rated Output Power	10 kW
Rated Output Voltage	230 Va.c. L/N/PE
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 Voltage	230 Va.c. L/N/PE
Input Voltage Range	184 Va.c.~276 Va.c.
Rated Current	43.47 Aa.c.
Rated Grid Frequency	50/60 Hz

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