



ACADA
RENEWABLE EXPERIENCE

HM15

3-phase



IP66 Protection



**Cold Temperature
Resistance**



Easy Installation



24/7 Monitoring System



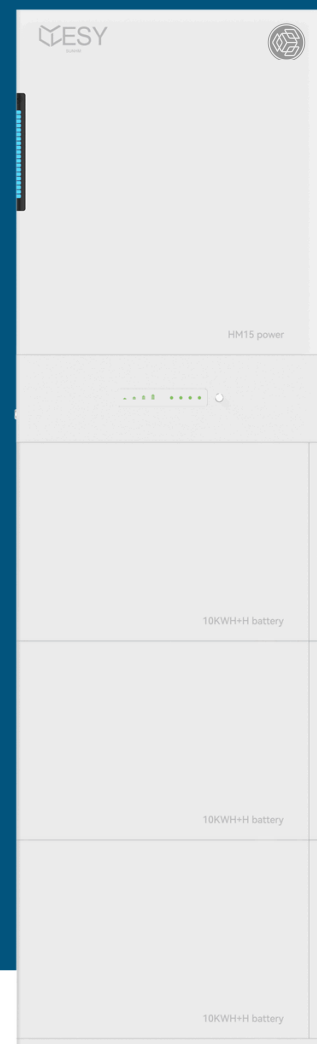
**Emergency Backup
Power**



Artificial Intelligence



Scalable System Capacity



Applicable Standards

Grid Connection:

DE: DIN VDE V 0124-100:2020; VDE-AR-N 4105:2018; **AT:** OVE Directive R 25:2020; TOR Erzeuger Type A V1.2;
CH: NA/EEA-NE7-CH:2020; **FR:** DINVDE 0126-1-1 VFR:2019 **PT:** RfG + Portugal deviation **BE:** C10/11:2021
IT: CEI 0-21; **ES:** NTS 631 V21 SEPE (type A); UNE 217001; UNE 217002; **UK:** G99/1-8 typeA; **IE:** Distribution Code Version 8;

Safety:

Inverter: IEC 62109-1; IEC 62109-2
EMC: IEC 61000-6-1; IEC 61000-6-3
Battery: IEC 62619:2022; ISO 13849
IEC/EN 62040-1; VDE 2510-050:2017

Certificate Holder:

EsySunhome New Energy Technology GmbH
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Germany



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Model	No. of Modules	Max. Output Power	Usable Energy	Dimensions (LxWxH)	Weight
HM15-20	2	13.6 kW	21.08 kWh	660x270x1698 mm	213 kg
HM15-30	3	15 kW	31.62 kWh	660x270x2098 mm	298 kg
HM15-60	6	15 kW	63.24 kWh	(660x270x2098 mm)+(660x270x1408 mm)*1	558 kg
HM15-90	9	15 kW	94.86 kWh	(660x270x2098 mm)+(660x270x1408 mm)*2	818 kg

Parameters			
Battery Type	IFpP	Cooling Method	Air Cooling
Cycle Life	≥6000 Times 25 °C	Operating Temperature Range	-25~60 °C
Conversion Efficiency	98.20%	Optimum Operating Temperature Range	25±2 °C
MPPT Efficiency	99.90%	Humidity	0~100% Relative Humidity
Mounting	Modular Stacking/Ground	Noise Level	≤45 dB
Communication	WiFi/Bluetooth	Protection Rating	IP66
Application Software Support System	iOS/Android/Web	Warranty	10 Years

PV Input		AC Output (Backup)	
Max. Input Power	22.5 kW	Rated Output Power	15 kW
Rated Input Voltage	600 Vd.c.	Max. Output Power	15 kVA
Max. Input Voltage	1100 Vd.c.	Rated Output Voltage	400 Va.c. 3L/N/PE
MPPT Voltage Range	160 Vd.c.~1000 Vd.c.	Rated Output Frequency	50/60 Hz
PV Max. Input Current	15 Ad.c./30 Ad.c.	Rated Output Current	22.8 Aa.c./21.7 Aa.c.
Max. Short Circuit Current	20 Ad.c./40 Ad.c.	Max. Output Current	22.8 Aa.c.
MPPT	2	Current Harmonics	≤3% (Linear Load)
		Switching Time	≤10 ms

Battery		Protection	
Rated Standby Voltage	51.2 Vd.c.	Anti-islanding Protection	Yes
Rated Operating Voltage	400 Vd.c.	PV Reverse Polarity Protection	Yes
Voltage Range	380 Vd.c.~410 Vd.c.	Insulation Resistance Detection	Yes
Protection	BMS/Software/Hardware/Fuse	Residual Current Detection	Yes
		Output Overcurrent Protection	Yes
		Output Short Circuit Protection	Yes
		Battery Reverse Polarity Protection	Yes

ACADA GMBH

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