



X-MILES

UNLIMITED CHARGING



Flexible **E**fficient **S**mart

**HOME ENERGY SOLUTION INTEGRATED WITH
PV, ENERGY STORAGE AND EV CHARGING**



Modular Design

- Integrated structural design convenient installation
- Flexible configuration and deployment



Integration of EV Charging

- Flexible charging energy sources (Grid, PV, Batteries) for EVs
- Multiple charging options such as APP, NFC, appointment, etc.



No Worries about Electricity Usage

- Switching between grid connection and off grid
- 24-hour uninterrupted power supply for critical loads



Energy Saving

- Integration of PV, energy storage, and EV charging
- The electricity generated by PVs can be used by users or sold to power companies



Safe and Reliable

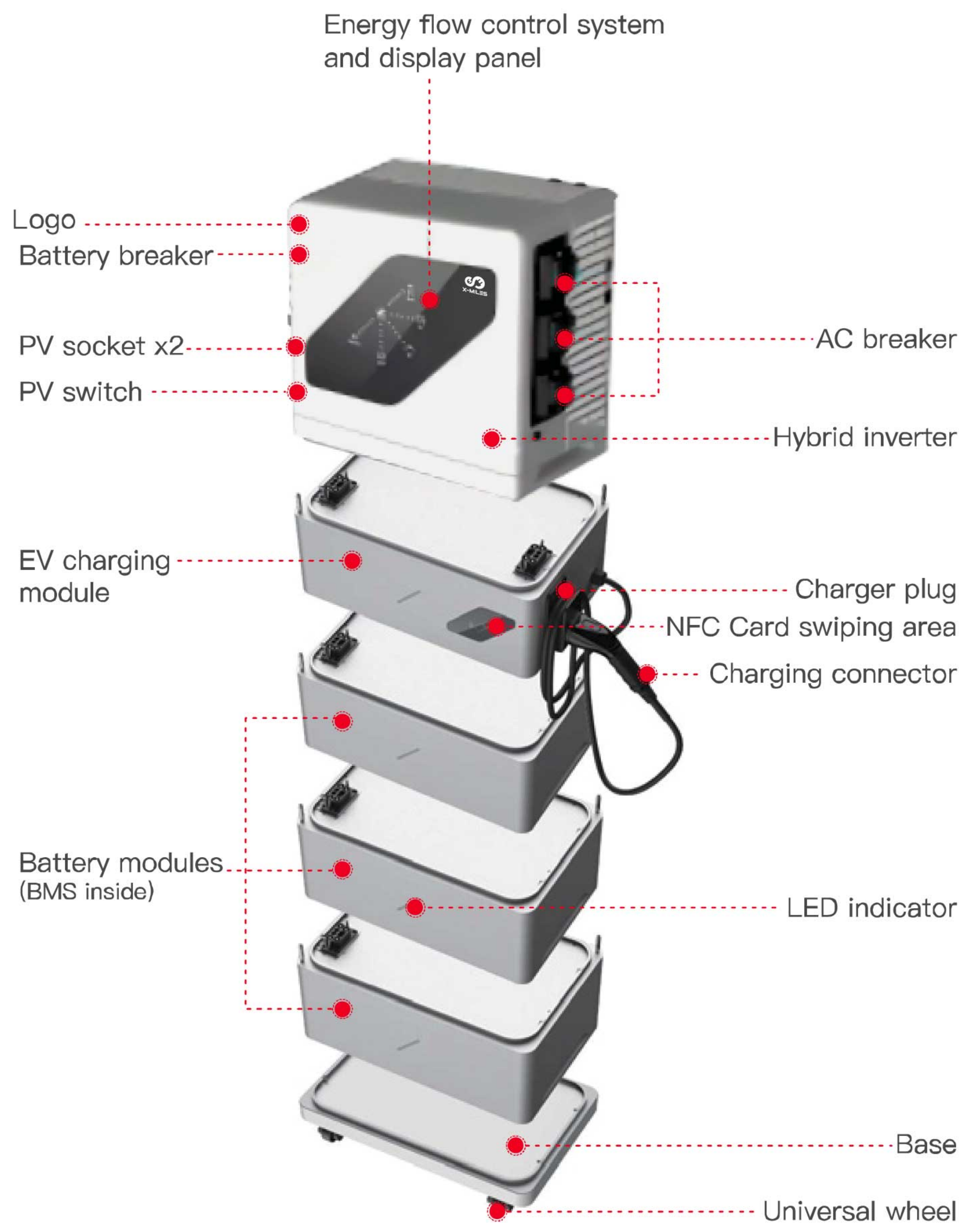
- High quality LiFePO4 battery cells
- BMS inside
- High safety and reliability

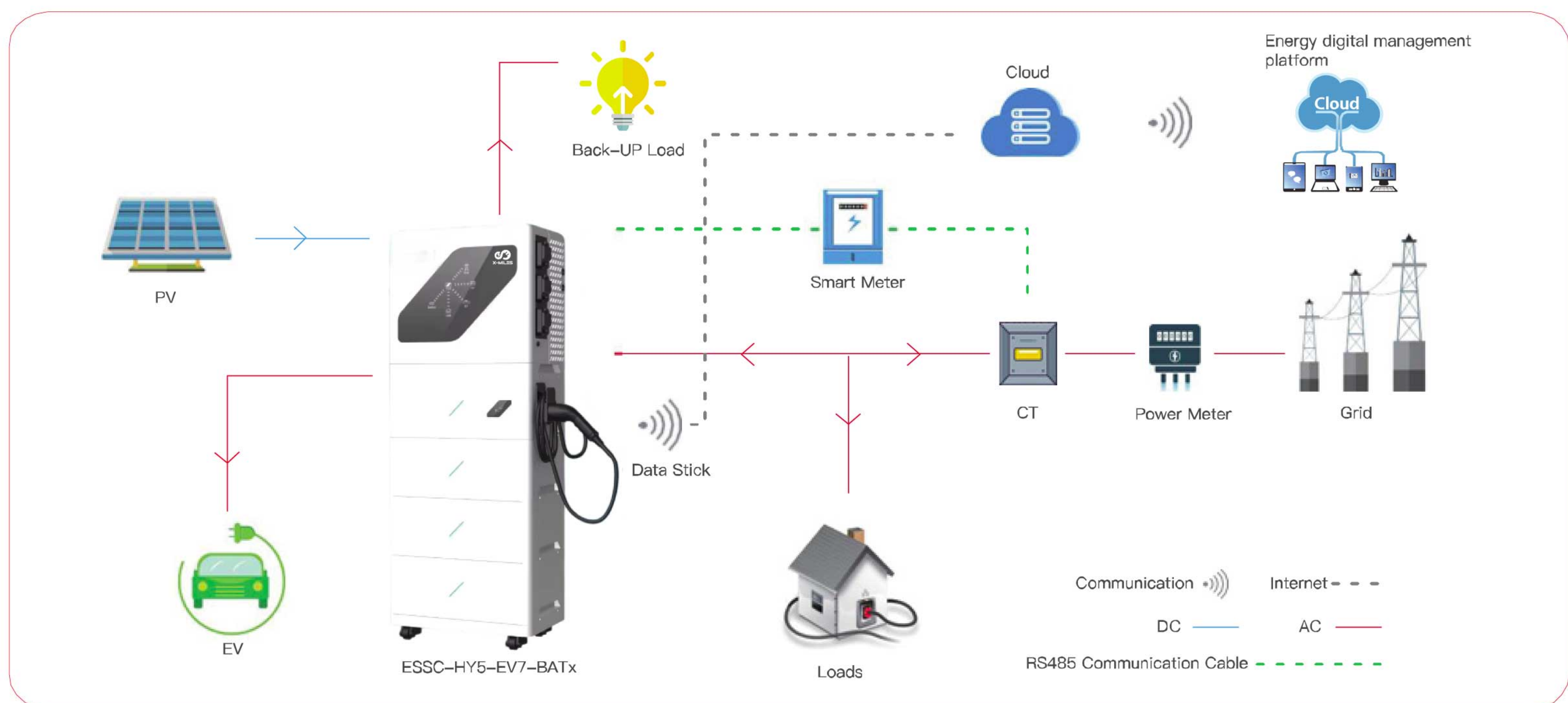


Safety Certification

- CE, MSDS, IEC, UN38.3, CNAS, RoHs

The product integrates hybrid inverter module, EV charging module, and energy storage battery modules. The EV charging module and the number of battery modules can also be selected according to the user's needs. The built-in energy management system can optimize the configuration of household energy and reduce users' electricity costs.





Specification for ESSC-HY5-EV7-BATx

ESSC-HY5-EV7-BATx			
PCS Power(kW)	5	PV Max. Input Voltage(V)	500
EV Charge Module(kW)	7	Grid Voltage(V)	220/230/240
Battery Type	LiFePO4	Communication	Wi-Fi/485/CAN
Operating Frequency(Hz)	50/60	Dimensions(W x H x D)(mm)	580x1530x370(15kWh)
Phase Number	Single-phase	Protection Type (in accordance with IEC 60529)	IP65
Operating Temperature Range(°C)	-25 ~ 60	Installation	No Connector Stacking
APP	√	Work Altitude(m)	<2000
Relative Humidity	<95%	Weight(kg)	300

PCS Module			
Max. Continuous Charging Current(A)	95	Rated Power (kW)	5
Max. Battery to AC Efficiency	95%	Nominal Output Voltage(V)	220/230/240
MPPT Efficiency	99.99%	Nominal Output Frequency(Hz)	50/60
MPPT Operating Voltage Range(V)	120 ~ 430	Noise	<35dB
Number of MPP Trackers	2	Cooling Method	Natural Cooling



EV Charger Module

Maximum Power	7kW/32A/230VAC	Overload Protection	√
Electricity Source	PV/Battery/Grid	Over/Under Voltage Protection	√
Dimension(W x H x D)(mm)	580 x 270 x 370	Short Circuit Protection	√
RFID	√	Earth Leakage Protection	√
Remote/Appointment	√	Surge Protection	√
Residual Current Protection	Type A 30mA + 6mA DC	Certification Standard	EN IEC 61851-1/GB18487.1
Connector	Type 2	Work Temperature	-30~55°C
Work Humidity	5%~95%		

Battery Module

	BAT05(5kWh)	BAT15(Typical 15kWh)	BAT25(25kWh)
Battery Cells	LiFePO4		
No. of Battery Module	1	3	5
Usable Energy(kWh)	5	15	25
Battery Voltage Range(V)	41.6 ~ 58.5		
Communication	485/CAN		
Dimensions (W x H x D) (mm)	580 x 270 x 370	580 x 710 x 370	580 x 1150 x 370
Weight(kg)	75	225	375
Cooling Method	Natural Cooling		
Work Temperature(°C)	0 ~ 65(Charging) / -20 ~ 65(Discharge)		
Storage Temperature(°C)	-20 ~ 65		
Work Humidity	5 ~ 95%		



X MILES SDN. BHD.

LOT 1793, JALAN KPB 4
KAWASAN PERINDUSTRIAN
KAMPUNG BARU BALAKONG
43300 SERI KEMBANGAN
SELANGOR DARUL EHSAN



+6014 364 1128



INFO@XMILES.COM.MY



WWW.XMILES.COM.MY