

ESSC-HY5-EV7-BAT5

Energy Storage System with EV Charger

Specifications



PV, Storage, EV charging and Power distribution Integrated.



Controlled by built-in DSP and adopt advanced SPWM technology.



Modular design for good expansibility, up to 6 battery modules in parallel.



Easy Installation within 20 minutes individually.



24-hour real-time online monitoring.



Wheels for the machine are optional and available at an additional cost.



ESSC-HY5-EV7-BAT5 | Specifications

Model	ESSC-HY5-EV7-BAT5
Inverter Data	
Max. Input Power(W)	7000W
PV Input Voltage Range(V)	150~500
MPPT Operating Voltage Range(V)	120~430
Number of MPP Trackers	2
Number of Strings per MPPT	1
Max. Input Current per MPPT	15A/15A
Nominal Utility Grid Voltage(V)	220/230/240
Nominal Utility Grid Frequency(Hz)	50/60
Rated Power Output to Utility Grid(W)	5000
Max. Apparent Power Output to Utility Grid(VA)	5500
Back-up Rated Power(W)	4500
Switch Time	<10ms
Battery Data	
Battery Type	LiFePO4
Single Battery Energy(kWh)	5.12
No. of Expandable Batteries	6
Usable Energy Range(kWh)	5.12~30.72
Battery Voltage Range(V)	41.6~58.5
EV Charger Data	
Rated Power(W)	7000
Nominal Voltage(V)	220 / 230 / 240
Nominal Frequency(Hz)	50 / 60
Operation Mode	Swipe card/APP control/Insert charger plug to start automatically /Schedule appointment for charging
Output cable	5m AC charging cable
Conversion Efficiency	
Max. Efficiency	98%
EU Efficiency	97%
Max. Battery to AC Efficiency	95%
MPPT Efficiency	99.9%
System Data	
Operating Temperature Range (°C)	-25~55°C
Relative Humidity	≤95 % (25°C)
Vibration	<0.5G
Noise	<35 dB
Installation Altitude above Sea Level	<2000m
Protection Level	IP65
Cooling Mode	Natural Cooling
Communication	RS485/CAN/WiFi
Inverter Dimensions (W × H × D mm)	645 x 557 x 370
EV Charger Dimensions (W × H × D mm)	650 x 270 x 370
Single Battery Dimensions(W × H × D mm)	585 x 270 x 370
Base Dimensions (W × H × D mm)	680 x 110 x 378

