



MTCB

All In One Solar Storage System with EV Charger



PV, Storage, EV charging and Power distribution Integrated.



Easy Installation within 20 minutes individually.



24-hour real-time online monitoring.



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



Modular design for good expansibility, up to 8 battery modules in parallel.

All In One Solar Storage System with EV Charger

Model	MTCB 7000
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	8
Usable Energy Range(kWh)	5.12-40.96
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
Convection 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 x H x D mm)	580 x 501 x 370
EV Charger Dimensions (W x H x D mm)	580 x 220 x 370
Single Battery Dimensions (W x H x D mm)	580 x 220 x 370
Base Dimensions (W x H x D mm)	604 x 100 x 404