

EMS3000CP

EMS3000CP is designed for a wide range of business scenarios, with diverse control strategies and high-precision algorithms. It provides an efficient O&M solution, along with top-rank personalized services, which increase the revenue of the ESS.



EFFICIENT O&M

- Incorporate different O&M options such as WEB and APP
Allow local/cloud O&M to ensure stable device operation
- Support one-click update of devices in the whole plant



SAFE AND RELIABLE

- Support ESS SOC balancing control
- Cloud-pipeline-edge three-layer data encryption
- Support real-time device fault alarm



Type designation		EMS3000CP
System		
Configuration	EMS controller, SPD, Power supply unit, Switch, Fiber Splice Box, 4G Router (Optional), IPC (Optional), UPS (Optional), Firewall (Optional)	
Max. Number of connections	300	
Controller functions	Self-consumption, Time plan, Feed-in Limitation, Peak Shaving, Overload Protection, Dynamic Capacity Expansion, P/Q/PF control, SOC intelligent management, Emergency power backup, Collaborative Control of PV & ESS & EVC, Coordinated Control of DG and ESS	
iSolarCloud functions	Real-time monitoring, Remote upgrade, Smart O&M	
Communication		
RS485 interface	7	
Fiber port	4 * 100 Mbps / 1000 Mbps	
Ethernet port	5 * 10 Mbps / 100 Mbps	
Fiber splice box	2-Input and 8-Output ST Single mode	
IO		
DI/DO	16 / 4	
Power supply		
AC Input	100 VAC ~ 264 VAC, 50 Hz / 60 Hz	
Power consumption	Max. 100 W	
Ambient conditions		
Operating temperature	without UPS: -20 ℃ ~ 50 ℃, with UPS: 0 ℃ ~ 40 ℃	
Storage temperature	-40 ℃ ~ 70 ℃	
Operating humidity	5 % ~ 95 % (non-condensing)	
Operating altitude	≤ 4000 m	
Ingress protection	IP66	
Anticorrosive class	C5-M	
Mechanical parameters		
Dimensions (W*H*D)	860 mm * 610 mm * 272 mm	
Weight	≤ 55 kg	
Mounting	Wall-mounting, or floor-mounting, both indoors and outdoors	
Enclosure Material	Metal	
Cable Specification	AC power cable: It is recommended that the cable has a diameter of 1.5 mm² and runs a distance of less than 10 m RS485 cable: 0.75 mm² ~ 1.5 mm² outdoor-type anti-UV twisted-pair cable with a shielding layer and a maximum length of less than 1000 m (baud rate 9600)	

