

# 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, for each customer and helps to increase the revenue from energy storage.



## 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, IPC(Optional), UPS(Optional), Firewall (Optional)
Controller functions	On/off grid, Zero export, Demand charge control, Peak-valley arbitrage, P/Q/ PF control, SOC intelligent management, FCAS, Emergency backup power function
iSolarCloud functions	Real-time monitoring, Remote upgrade, Smart O&M for remote
Certification	CE/FCC/RCM/SIRIM
Communication	
RS485 interface	7
Fiber port	4 * 100 / 1000 Mbps
Ethernet port	5 * 10 / 100 Mbps
DI / DO	16 / 4
Fiber splice box	2-Input and 8-Output LC Single mode
Communication	IEC60870-5-104, Modbus TCP
Power supply	
AC input	100 Vac - 264 Vac, 50 Hz / 60 Hz
Power consumption	Max. 100 W
UPS (Optional)	2h
Ambient conditions	
Operating temperature	without UPS: -20 °C - 50 °C, with UPS: 0 °C - 40 °C
Storage temperature	-40 °C - 70 °C
Relative air humidity	0 % - 95 % ( non-condensing )
Elevation	≤ 5000 m
Protection class	IP66
Anticorrosive class	C5-M
Mechanical parameters	
Dimensions (W*H*D)	860 mm * 610 mm * 272 mm
Weight	≤ 55 kg
Mounting type	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 mm <sup>2</sup> and runs a distance of less than 10 m RS485 cable: 0.75 -1.5 mm <sup>2</sup> outdoor-type anti-UV twisted-pair cable with a shielding layer and a maximum length of less than 1000 m ( baud rate 9600 )

