

EMS3000CP

The products are suitable for commercial and industrial energy storage power plant.



AI DISPATCH

- iSolarCloud access to nearly 100 GW of new energy assets can provide 100 TB of data for AI model training every day, with high prediction accuracy
- Diversified forecasting models cover power forecasting, load forecasting, scheduling management, production planning and other business scenarios, proactively predict and analyze customer power consumption behavior, provide optimal scheduling solutions, and increase energy storage revenue



EFFICIENT OPERATIONS

- Proximal mobile monitoring operation and maintenance, real-time monitoring unlimited
- Cloud-side collaboration to achieve remote operation



SAFE AND RELIABLE

- Three layers of safety protection, data security does not leak

Type designation	EMS3000CP
System	
Controller	EMS300CP
OS	Linux
Max. number of devices	ESS capacity : ≤ 5 MWh PV capacity : ≤ 6 MWp
Typical functions	zero export, demand charge, time-sharing power, power factor control, SOC balancing, load forecasting, power forecasting, scheduling management, support for iSolarCloud
Communication	
RS485 interface	7
DI / DO	16 / 4
Fiber port	2 * 100 Mbps
Ethernet port	6 * 10 / 100 Mbps
Fiber Splice Box	4-Input and 24-Output ST Single mode
WLAN	802.11 b/g/n, HT20/40, 2.4GHz
Power supply	
AC input	100 V ~ 240 V
DC input	24 V (±10 %)
Power consumption	max. 50 W
Ambient conditions	
Operating Temperature	-30 °C ~ +60 °C
Storage Temperature	-40 °C ~ +70 °C
Relative air humidity	5 % ~ 95 % (non-condensing)
Corrosion-proof grade	C5
Elevation	≤ 3000 m
Protection class	IP65
Mechanical parameters	
Dimensions (W*H*D)	860 mm * 610 mm * 272 mm
Weight	≤ 35 kg
Mounting type	Wall hanging, rack mounting / ground mounting, outdoor and indoor
Box material	Metal
Cable specification	AC cable: The recommended cable diameter is 1.5mm ² , and the distance is less than 10m DC cable:The recommended cable diameter is 1.5mm ² , and the distance is less than 10m RS485 cable: 0.75~1.5mm ² outdoor twisted-pair cable with uv-shielding layer, the maximum length is less than 1000m (baud rate 9600)
Ordering information	
EMS3000CP	The EMS3000CP includes EMS300CP, SPD, AC adapter, Switch, FSB, Firewall (Optional)

