

# EMU200A

Energy Management Unit



## FLEXIBLE NETWORKING

- Support of RS485, Ethernet and MPLC communication
- Support of tracker, meteo station, sensors and other equipment



## SAFE AND RELIABLE

- Electrical isolation and SPD for every port
- IP66 protection



## CONVENIENT O&M

- Inverter batch parameter settings and firmware updates
- PV-Plant maintenance via remote Web access for optimized OPEX
- Active and reactive power control, reactive power 30ms fast dispatch with GOOSE protocol



Type designation	EMU200A
<b>Communication</b>	
Max. number of devices	300
RS485 interface	5
MPLC interface	2
Ethernet port	5 * 10 / 100 Mbps ETH 1 / 2 / 5 Ethernet port ETH 3 / 4 Fast dispatch port
PID&ISO control box (optional)	1 / 2
Fiber switch (optional)	2*100 / 1000 Mbps Fiber ports and 6*10 / 100 Mbps Ethernet ports
Fiber splice box (optional)	4-Input and 24-Output ST Single mode
I/O module (optional)	4-DI, 2-PT100 / PT1000, 2-AI (0 - 10 V), 2-DO
<b>Access voltage for AC Anti-PID</b>	
Rated grid voltage	800 Vac
Voltage range	720 Vac - 880 Vac
Grid type	IT (corner grounded delta system is not included)
<b>AC ISO response inaccuracy</b>	
7 kΩ - 100 kΩ	± 15 % @ 25 °C
0.2 kΩ - 7 kΩ	± 1 kΩ @ 25 °C
<b>MPLC Communication</b>	
Max. communication distance	≤ 1000 m
Max. number of each channel devices	≤ 80
Rated voltage	400 Vac - 800 Vac
Max. withstands voltage	≤ 1000 Vac
<b>Power supply</b>	
AC input	100 Vac - 277 Vac, 50 Hz / 60 Hz
Power consumption	Max. 50 W (No PID module) / 240 W (1 PID module) / 450 W (2 PID modules)
<b>Ambient conditions</b>	
Operating temperature	-30 °C - +60 °C
Storage temperature	-40 °C - +70 °C
Relative air humidity	≤ 95 % (non-condensing)
Elevation	≤ 4000 m
Protection class	IP66
<b>Mechanical parameters</b>	
Dimensions (W*H*D)	860 mm * 680 mm * 275 mm
Weight	Max.51 kg
Mounting type	Wall hanging, rack mounting, ground mounting, outdoor and indoor
Box material	Metal
Cable specification	AC cable: outdoor UV protection cable of 1 - 1.5 mm <sup>2</sup> MPLC cable: outdoor UV protection cable of 4 - 10 mm <sup>2</sup> Fiber optic: outdoor UV protection cable, outside diameter ≤ 18mm RS485 cable: 2 * outdoor UV protection shielded twisted pair (STP) of 0.75 - 1.5 mm <sup>2</sup>
<b>Mechanical parameters</b>	
EMU200A	The EMU200A includes Logger4000, AC adapter, SPD, MCCB, MPLC, PID&ISO Control Box (optional) , Fiber Switch (optional), Fiber Splice Box(optional), I/O Module (optional) Apply to Overseas