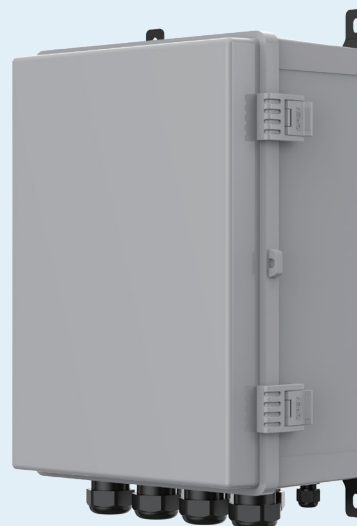




EMS1000 PRO



EMS1000 PRO BOX



Smart & Flexible Features

- RS485, Ethernet, and 4G Support
- Up to 120 inverters connection
- Master-Slave device management (Up to 10 slave devices)
- Built-in web interface for local and remote monitoring



Efficiency & Simplicity

- Automatic inverter address search and assignment
- Auto-detection of EMS PRO slave devices
- Remote parameter configuration and system power adjustment support



Stability & Reliability

- Offline data transmission resumption and data loss prevention
- Industrial-grade reliability for high stability

EMS1000 PRO

SOLAXCLOUD COMMUNICATION	
WAN	NET4, 10 / 100 / 1000 Mbps
4G	CAT4
SIM Card Size	Nano - 4FF, 12.3 x 8.8 mm; Class C, 1.8 V
Sample Rate	Per 10 seconds, 2G Data Package
COMMUNICATION PORTS	
LAN	NET1 / NET3, 10 / 100 / 1000 Mbps
WAN	NET2, 10 / 100 / 1000 Mbps
RS485	RS485 x 8
CAN	CAN-FD x 2, CAN-2.0 x 1
Digital Inputs	DI1 ~ DI12, dry contact; DI13 ~ DI18, wet contact
Digital Outputs	DO x 8
Analog Input	AI x 4
USB	USB2.0 x 2
ENVIRONMENT LIMIT	
Operating Temperature	-40 ~ 60 °C
Relative humidity	5 ~ 95% RH (non-condensing)
Max. operating altitude	3000 m
Degree of protection	IP20
POWER SUPPLY	
DC Input Voltage	12 ~ 24 V
DC Input Current	0.65 A avg (1.17 A peak)
Power Consumption	15.6 W avg (28 W peak)
GENERAL	
Dimensions (W x H x D)	232 x 113 x 59 mm
Weight	1400 g
Installation Method	DIN-rail Mounting, Wall Mounting
COMPLIANCE	
Compliance	CE, RCM, SRRC

EMS1000 PRO BOX-8

EMS1000 PRO BOX-16

SOLAXCLOUD COMMUNICATION		
WAN	NET4, 10 / 100 / 1000 Mbps	NET4, 10 / 100 / 1000 Mbps
4G	CAT4	CAT4
SIM card size	Nano - 4FF, 12.3 x 8.8 mm; Class C, 1.8 V	Nano - 4FF, 12.3 x 8.8 mm; Class C, 1.8 V
Sample rate	Per 10 seconds, 2G Data Package	Per 10 seconds, 2G Data Package
COMMUNICATION PORTS		
LAN	LAN x 7, 10 / 100 / 1000 Mbps	LAN x 15, 10 / 100 / 1000 Mbps
WAN	NET2, 10 / 100 / 1000 Mbps	NET2, 10 / 100 / 1000 Mbps
RS485	RS485 x 8	RS485 x 8
Digital Inputs	DI1 ~ DI12, dry contact; DI13 ~ DI18, wet contact	DI1 ~ DI12, dry contact; DI13 ~ DI18, wet contact
Digital Outputs	DO x 8	DO x 8
Analog Input	AI x 4	AI x 4
ENVIRONMENT LIMIT		
Operating Temperature	-30 ~ 55°C	-30 ~ 55°C
Relative humidity	5 ~ 95% RH (non-condensing)	5 ~ 95% RH (non-condensing)
Max. operating altitude	3000 m	3000 m
Degree of protection	IP54	IP54
POWER SUPPLY		
AC Input Voltage	100 ~ 240 V; 50 Hz / 60 Hz	100 ~ 240 V; 50 Hz / 60 Hz
Power Consumption	34.6 W Max	39.0 W Max
MECHANICAL DATA		
Dimensions (W x D x H)	450 x 283 x 177 mm	450 x 283 x 177 mm
Weight	5.3 kg	5.3 kg
Installation Method	Wall Mounting	Wall Mounting
CERTIFICATES AND APPROVALS		
Compliance	CE, RCM, SRRC	CE, RCM, SRRC