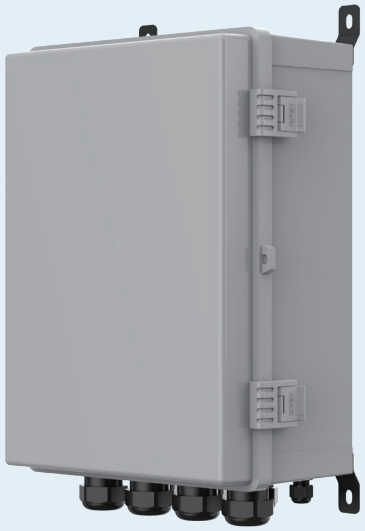




EMS1000 PRO

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 M / 100 M / 1000 Mbps
4G	CAT4
SIM Card Size	Nano - 4 FF, 12.3 × 8.8 mm; Class C, 1.8 V
Sample Rate	Per 10 seconds, 2G data package
	COMMUNICATION PORTS
LAN	NET1 / NET2 / NET3, 10M / 100M / 1000Mbps
WAN	NET2,10 / 100 / 1000 Mbps
RS485	RS485 × 8
CAN	CAN-FD × 2, CAN-2.0 × 1
Digital Inputs	DI1—DI12, dry contact; DI13—DI18, wet contact
Digital Outputs	DO × 8
Analog Inputs	AI × 4
USB	USB2.0 × 2
	ENVIRONMENT LIMIT
Operating Temperature	-40 ~ 60°C
Relative Humidity	5 ~ 95% RH (non-condensing)
Max. Operating Altitude	3000 m
Ingress Protection	IP20
	POWER SUPPLY
DC Input Voltage	DC 12 ~ 24 V
DC Input Current	0.65 A avg (1.17 A peak)
Power Consumption	15.6 W avg (28 W peak)
	MECHANICAL DATA
Dimensions (W × H × D)	232 × 113.2 × 59 mm
Weight	1400 g
Installation Method	DIN-rail mounting, Wall mounting
	CERTIFICATES AND APPROVALS
Certificates	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 Inputs	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
Ingress 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 H x D)	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	
Certificates	CE, RCM, SRRC	CE, RCM, SRRC