

COM100E

Smart Communication Box

SUNGROW

Clean power for all



SMART AND FLEXIBLE

- Support of RS485, Ethernet and WiFi communication
- Support of energy meter, meteo station, sensors and other equipment



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
- Local monitoring



EASY OPERATION

- Night light for maintenance
- Robust enclosure, easy to install

Type designation	
Communication	
Max. number of devices	30
RS485 interface	3
Ethernet	1 * RJ45, 10 / 100 / 1000 Mbps
Digital input	5, Max. 24 VDC
Analog input	4, support 4 ~ 20 mA or 0~10 VDC
Wireless Communication	
WiFi communication	802.11 b / g / n / ac HT20 / 40 / 80 MHz 2.4GHz / 5GHz
Power Supply	
AC input	100 VAC ~ 300 VAC, 50 / 60 Hz
Power consumption	Typ. 20 W, Max. 30 W
Night light for maintenance	<1 W
Ambient Conditions	
Operating Temperature	30 °C ~ 60 °C
Storage Temperature	-40 °C ~ 80 °C
Relative air humidity	≤95 % (non-condensing)
Elevation	≤4000 m
Protection class	IP66

COM100E

Mechanical parameters

Dimensions (W * H * D)	460 mm * 315 mm * 126 mm
Weight	6 kg
Mounting type	Wall mounted, outdoor and indoor
Box material	PC
Cable specification	AC cable: outdoor UV protection cable of 1~1.5 mm ² , outside diameter 13~18mm RS485 cable: outdoor UV protection shielded twisted pair (STP) of 0.75~1.5 mm, outside diameter 6~18mm Ethernet: CAT5 cable, outdoor UV protection shielded, outside diameter 6~18mm AI, DI: outdoor UV protection cable of 1~1.5 mm ² , outside diameter 4.5~6mm

Ordering information

COM100E	The COM100E includes Logger1000B, AC adapter, SPD, Air switch, Night light Support of WiFi wireless communication Apply to Global
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Logger1000



Flexible networking

- Support of RS485, Ethernet, WiFi communication
- Support of energy meter, meteo station, sensors and other equipment access



Convenient O&M

- Inverter batch parameter setting and firmware updates
- Plant maintenance by remote Web access, optimized OPEX
- Active and reactive power control
- Local monitoring



Easy operation

- Automatic Modbus address distribution
- Built-in Web server for monitoring and configuration, by PC or smartphone browser, no APP required

Communication

Max. number of devices 30

Communication ports

RS485 interface 3
 Ethernet 1×RJ45, 10/100/1000 Mbps
 Digital input 5, Max. 24V DC
 Analog input 4, support 4~20 mA or 0~10 VDC

Wireless communication

4G communication LTE(FDD): B1, B3, B5, B8
 LTE(TDD): B38, B39, B40, B41
 TD-SCDMA: B34, B39
 CDMA: BC0
 GSM:900MHz / 1800MHz
 WCDMA:B1, B8"
 WiFi communication 802.11 b / g / n / ac
 HT20 / 40 / 80M Hz
 2.4G Hz / 5G Hz

Power Supply

DC input 24 VDC, 1.2 A
 DC output 24 VDC, 0.5 A
 Power consumption <10 W

Ambient Conditions

Operating Temperature -30 °C ~ 60 °C
 Storage Temperature -40 °C ~ 80 °C
 Relative air humidity ≤95 % (non-condensing)
 Elevation ≤4000 m
 Protection class IP20

Mechanical parameters

Dimensions (W * H * D) 200 mm * 110 mm * 60 mm
 Weight 500 g
 Mounting type Top-hat rail mounting / wall mounting

Ordering information

Logger1000A Support 4G and WiFi wireless communication
 Apply to China, India, Malaysia
 Logger1000B Support WiFi only wireless communication
 Apply to Global

