SUNGROW
Clean power for all

COM100E

Smart Communication Box

FLEXIBLE NETWORKING

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

EASY OPERATION

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

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



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Type designation	COM100E
Communication	
Max. number of devices	30
RS485 interface	3
Ehthernet	1×RJ45, 10/100/1000 Mbps
Digital input	5, Max. 24 Vdc
Analog input	4, support 4 mA ~ 20 mA or 0 ~ 10 Vdc
Wireless communication	
WLAN communication	802.11 b/g/n/ac HT20/40/80 MHz 2.4 GHz / 5 GHz
Communication protocol	
Ethernet	Modbus-TCP, IEC 60870-5-104, FTP/SFTP
RS485	Modbus-RTU, DL/T645
Power supply	
AC input	100 Vac ~ 300 Vac, 50 Hz / 60 Hz
Power consumption	Typ. 20 W, Max. 30 W
Night light for maintenance	< 1 W
Ambient conditions	
Operating temperature	-30 ℃ to 60 ℃
Storage temperature	-40 ℃ to 70 ℃
Relative air humidity	≤ 95 % (non-condensing)
Elevation	≤ 4000 m
Protection class	IP66
Mechanical parameters	
Dimensions (W*H*D)	460 mm * 315 mm * 126 mm
Weight	6 kg
Mounting type	Wall mounted, Bracket mounted, Pole mounted, outdoor and indoor
Box material	PC
Cable specification	AC cable: outdoor UV protection cable of 1 mm^2~1.5 mm^2, outside diameter 13 mm~18 mm RS485 cable: outdoor UV protection shielded twisted pair (STP) of 0.75 mm^2~1.5 mm^2, outside diameter 6 mm~18 mm Ethernet: CAT5 cable, outdoor UV protection shielded, outside diameter 6 mm~18 mm AI, DI: outdoor UV protection cable of 0.75 mm^2, outside diameter 4.5 mm~6 mm
Ordering information	
COM100E	The COM100E includes Logger1000B, AC adapter, SPD, Air switch, Night light Support of Ethernet, WLAN, communication Apply to Global