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		COM100E	
Communication		**Mechanical parameters**	
Max. number of devices	30	Dimensions (W * H * D)	460 mm * 315 mm * 126 mm
RS485 interface	3	Weight	6 kg
Ethernet	1 * RJ45, 10 / 100 / 1000 Mbps	Mounting type	Wall mounted, outdoor and indoor
Digital input	5, Max. 24 VDC	Box material	PC
Analog input	4, support 4 ~ 20 mA or 0~10 VDC	Cable specification	AC cable: outdoor UV protection cable of 1~1.5 mm2, outside diameter 13~18mm
Wireless Communication			RS485 cable: outdoor UV protection shielded twisted pair (STP) of 0.75~1.5mm², outside diameter 6~18mm
WiFi communication	802.11 b / g / n / ac HT20 / 40 / 80 MHz 2.4GHz / 5GHz		Ethernet: CAT5 cable, outdoor UV protection shielded, outside diameter 6~18mm
Power Supply			AI, DI: outdoor UV protection cable of 1~1.5 mm2, outside diameter 4.5~6mm
AC input	100 VAC ~ 300 VAC, 50 / 60 Hz		
Power consumption	Typ. 20 W, Max. 30 W	**Ordering information**	
Night light for maintenance	<1 W	COM100E	The COM100E includes Logger1000B, AC adapter, SPD, Air switch, Night light Support of WiFi wireless communication Apply to Global
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		