

COM100E

Smart Communication Box



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



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Type designation	COM100E
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
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

