COM100E

Smart Communication Box

FLEXIBLE NETWORKING

- Support of RS485, Ethernet and WLAN 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	
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	
WLAN 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 to 60 °C
Storage Temperature	-40 °C to 80 °C
Relative air humidity	≤95 % (non-condensing)
Elevation	≤4000 m
Protection class	IP66
Mechanical parameters	
Dimensions (W * H * D)	460 * 315 * 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 mm², outside diameter 13 – 18mm RS485 cable: outdoor UV protection shielded twisted pair (STP) of 0.75 – 1.5 mm², 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 mm², outside diameter 4.5 – 6mm
Ordering information	
COM100E	The COM100E includes Logger1000B, AC adapter, SPD, Air switch, Night light Support of WLAN wireless communication Apply to Global