

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



Type designation		COM100E
Communication		
Max. number of devices		300
RS485 interface		3
Ethernet		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 °C to 60 °C
Storage temperature		-40 °C to 70 °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, 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

