

# 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
<b>Communication</b>	
Max. number of devices	30
RS485 interface	3
Ethernet	1 * RJ45, 10 / 100 Mbps
Digital input	5, Max. 24 Vdc
Analog input	4, support 4 mA ~ 20 mA or 0 Vdc ~10 Vdc
<b>Wireless communication</b>	
WLAN communication	802.11 b/g/n/ac HT 20 / 40 / 80 MHz 2.4 GHz / 5 GHz
<b>Power supply</b>	
AC input	100 Vac ~ 300 Vac, 50 Hz / 60 Hz
Power consumption	Typ. 20 W, Max. 30 W
Night light for maintenance	< 1 W
<b>Ambient conditions</b>	
Operating temperature	-30 °C ~ 60 °C
Storage temperature	-40 °C ~ 70 °C
Relative air humidity	≤ 95 % ( non-condensing )
Elevation	≤ 4000 m
Protection class	IP66
<b>Mechanical parameters</b>	
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 1~1.5 mm <sup>2</sup> , outside diameter 13~18 mm RS485 cable: outdoor UV protection shielded twisted pair (STP) of 0.75~1.5 mm <sup>2</sup> , outside diameter 6~18 mm Ethernet: CAT5 cable, outdoor UV protection shielded, outside diameter 6~18 mm AI, DI: outdoor UV protection cable of 0.75 mm <sup>2</sup> , outside diameter 4.5~6 mm
<b>Ordering information</b>	
COM100E	The COM100E includes Logger1000B, AC adapter, SPD, Air switch, Night light Support of Ethernet, WLAN, communication Apply to Global

