

# COM100E

## Smart Communication Box



### FLEXIBLE NETWORKING

- Support of RS485, Ethernet, WLAN and Wi-SUN 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 ~ 20 mA or 0 ~ 10 Vdc
EyeW485 Host Module(optional)	1, 24Vdc
I/O Module(optional)	1, 4×DI, 2×PT100/PT1000,2×AI(0~10V),2×DO, 24Vdc
<b>Wireless communication</b>	
WLAN communication	802.11 b/g/n/ac HT20/40/80 MHz 2.4GHz / 5GHz
Wi-SUN communication(optional)	Band : 860~928 MHz
<b>Power supply</b>	
AC input	100 Vac ~ 300 Vac, 50 / 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 x H x 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 13~18mm RS485 cable: outdoor UV protection shielded twisted pair (STP) of 0.75~1.5 mm <sup>2</sup> , outside diameter 6~18mm Ethernet: CAT5 cable, outdoor UV protection shielded, outside diameter 6~18mm AI, DI: outdoor UV protection cable of 0.75 mm <sup>2</sup> , outside diameter 4.5~6mm
<b>Ordering information</b>	
COM100E	The COM100E includes Logger1000, AC adapter, SPD, Air switch, Night light. Support of Ethernet , WLAN, I/O Module(optional) and Wi-SUN(optional) communication. Apply to Global.

EyeW485 host module needs to be used with EyeW485 to realize wireless 485 automatic network in the area.

