## 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

## Type designation

<table>
<thead>
<tr>
<th>Communication</th>
<th>Max. number of devices</th>
<th>RS485 interface</th>
<th>Ethernet</th>
<th>Digital input</th>
<th>Analog input</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>30</td>
<td>3</td>
<td>1 * RJ45, 10 / 100 / 1000 Mbps</td>
<td>5, Max. 24 VDC</td>
<td>4, support 4 ~ 20 mA or 0~10 VDC</td>
</tr>
</tbody>
</table>

### 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

## COM100E

### 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 mm², 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 mm², 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

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