

COM100A

Smart Communication Box

FLEXIBLE NETWORKING

- Support of RS485, Ethernet and MPLC communication
- Support of tracker, 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



Type designation	COM100A
Communication	
Max. number of devices	200
RS485 interface	4
MPLC Interface	2
Fiber Switch (optional)	2 Fiber ports and 6 Ethernet ports
Fiber Splice Box (optional)	4-Input and 24-Output SC Single mode
I/O Module (optional)	4-DI, 2-PT100 / PT1000, 2-AI (0-10 V), 2-DO
MPLC Communication	
Max. communication distance	≤ 1000 m
Rated voltage	400 – 800 Vac
Power Supply	
AC input	100 – 277 Vac, 50 / 60 Hz
Power consumption	max. 60 W
Ambient conditions	
Operating Temperature	-30 °C to 60 °C
Storage Temperature	-40 °C to 70 °C
Relative air humidity	5% – 95% (non-condensing)
Elevation	≤ 4000 m
Protection class	IP65
Mechanical parameters	
Dimensions (W*H*D)	860* 610*272 mm
Weight	32 kg
Mounting type	Wall mounted, pole mounting, outdoor and indoor
Box material	Metal
Cable specification	AC cable: outdoor UV protection cable of 1 – 1.5 mm ² MPLC cable: outdoor UV protection cable of 4 mm ² Fiber optic: outdoor UV protection cable, outside diameter ≤18mm RS485 cable: outdoor UV protection shielded twisted pair (STP) of 0.75 – 1.5 mm ²
Ordering information	
COM100A	The COM100A includes Logger3000, AC adapter, MPLC, SPD, MCCB, Fiber Switch (optional), Fiber Splice Box (optional), I/O Module (optional) Apply to Global