COM100

Smart Communication Box

FLEXIBLE NETWORKING

- Support of RS485, Ethernet and PLC 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

Type designation	COM100
Communication	
Max. number of devices	200
RS485 interface	4
PLC Interface	2
Ethernet	2*RJ45, 10/100 Mbps
Fiber Switch (optional)	2 Fiber ports and 6 Ethernet ports
Fiber Splice Box (optional)	4-Input and 24-Output
I/O Module (optional)	4-DI, 2-PT100, 2-AI (0 – 10V), 2-DO
PLC Communication	
Max. communication distance	≤ 1000 m
Max. number of each channel devices	≤ 30 inverters
Max. communication delay time	≤ 0.2 s
Rated voltage	400 – 880 Vac
Max. withstands voltage	≤ 1000 Vac
Power Supply	
AC input	100 – 277 Vac, 50 / 60 Hz
Power consumption	max. 60 W
Ambient conditions	
Operating Temperature	-30 ℃ to 60 ℃
Storage Temperature	-40 ℃ to 70 ℃
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 mm² PLC cable: outdoor UV protection cable of 4 mm² Fiber optic: outdoor UV protection cable, outside diameter ≤18mm RS485 cable: outdoor UV protection shielded twisted pair (STP) of 0.75 – 1.5 mm²
Ordering information	
COM100A	The COM100A includes Logger3000, AC adapter, PLC, SPD, MCCB, EDS (optional), OTB (optional), I/O module (optional) Apply to global