

COM100

Smart Communication Box

SUNGROW

Clean power for all



Iris Hellas
Technology Innovations
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FLEXIBLE NETWORKING

- Support of RS485, Ethernet, Optical Fiber Ethernet switch 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

- Embedded Web portal, easy to commissioning
- Robust enclosure, easy to install



Type designation	COM100 (Utility)	COM100 (C&I)
Communication		
Max. number of devices	200	30
RS485 interface	6	3
Ethernet	2 * RJ45, 10 / 100 Mbps	1 * RJ45, 10 / 100 / 1000 Mbps
Digital input	16, Max. 24 VDC	5, Max. 24 VDC
Analog input	2, PT100 / PT1000 4, support 4 – 20 mA or 0–10 VDC	4, support 4 – 20 mA or 0–10 VDC
Fiber Ethernet Switch	2 Fiber ports and 6 Ethernet ports	/
Wireless communication		
4G communication	/	Yes
WiFi communication	/	Yes
Power supply		
AC input	110 VAC – 240 VAC (50 / 60 Hz)	100 VAC – 277 VAC (50 / 60 Hz)
Power consumption	Typ. 20 W, Max. 30 W	Typ. 20 W, Max. 30 W
Night light for maintenance	/	<1 W
Ambient conditions		
Operating Temperature	-20 °C – 60 °C	-30 °C – 60 °C
Storage Temperature	-30 °C – 70 °C	-40 °C – 80 °C
Relative air humidity	≤95 % (non-condensing)	≤95 % (non-condensing)
Elevation	≤3000 m	≤4000 m
Protection class	IP65	IP66
Mechanical parameters		
Dimensions (W * H * D)	570 * 790 * 90 mm	460 * 315 * 126 mm
Weight	32 kg	6 kg
Mounting type	Wall mounted, ground mounted	Wall mounted, outdoor and indoor
Box material	Metal	PC
Ordering information		
COM100A	The COM100A includes Logger3000, PLC, Ethernet Switch, SPD Apply to Global	
COM100D	The COM100D includes Logger1000A and support of 4G, WiFi wireless communication Apply to China, India, Malaysia	
COM100E	The COM100E includes Logger1000B and support of WiFi wireless communication Apply to Global	

