

TSUN DTU

TSOL-MG3-MP



A communication control equipment provided by



DTU can be used with RS485 micro inverters to monitor the operating status of the micro inverters.



DTU can also connect to electricity meter devices, collect power grid information, and control the output power of the photovoltaic system to achieve zero-export function.



DTU also has an external communication interface, which can receive external dispatch commands and regulate output power of the system.

TSUNESS Co., Ltd

sales@tsun-ess.com www.tsun-ess.com +86-512-66186028

Technical Data

Model	TSOL-MG3-MP
Communication to Microinverter(RS485)	
Communication port	RS485
Maximum Distance	500m
Baud Rate	9600 bps
Connection Limit	64 Microinverters
Communication to Meter(RS485)	
Communication port	RS485
Maximum Distance	100m
Grid Type	Single phase / Three phase
Baud Rate	9600 bps (4800 to 19200 optional)
Communication to Server(WiFi or Ethernet)	
Communication port	WiFi / Ethernet
WiFi Signal	WIFI (802.11 b/g/n)
WiFi Frequency	2.4GHz
Maximum Distance(WiFi)(Open Space)	100m
Ethernet Port	RJ45(802.3)
Ethernet Speed	10/100M Base-T
Maximum Distance(Ethernet)	500m
Sample Rate	Per 5 minutes
Communication to App	
Signal	Bluetooth 5.0
BLE Frequency	2.4GHz
Maximum Distance to mobile phone(Open Space)	50m
Power Supply	
Type	External adapter
Input Voltage/Frequency	100 to 240V AC / 50 or 60Hz
Power Consumption	2.5W(typical), 5W(maximum)
Mechanical Data	
Ambient Temperature(°C)	-20~+55
Mounting System	Wall mounted
Indicator Light	6*LED
Communication Port	2*RS485, 2*RJ45(DRM,Enthernet)

System Diagram

Commerical Monitoring (RS 485)

