hoymiles

DTU-Pro
A Whole New Look
On a Whole New Level

2 YEAR WARRANTY

Highlights

✔ Module-level monitoring and data storage

✔ Built-in WIFI for local installation assistant

✔ Stronger communication with microinverter and monitoring server

✔ More accurate PV generation and loads consumption monitoring

✔ Supports power export limiting and zero-export applications

✔ Applicable with Modbus RTU/TCP protocol, thus easy to see power and generation on your monitoring platform

✔ Alternative ports (RJ-45&USB&RS485), thus easy to access control devices to manage the solar output

✔ Four LEDs, therefore easier to see the status of the microinverter system

Model	DTU-Pro (WIFI Version)	DTU-Pro (GPRS Version)
Communication to Cloud		
Signal	WIFI (802.11b/g/n)[1] / Ethernet	GSM (850/900/1800/1900MHz)[1] / Ethernet
Sample rate	Per 15 minutes	
Communication to Microinverter[1]		
Signal	2.4GHz Proprietary RF(Nordic)	
Maximum distance (open space)	200m	
Monitoring data limit from solar panels	99[2] panels	
Communication to Meter		
Signal	RS485	
Maximum distance (RS485 cable)	500m	
Interaction		
LED	LED Indicator * 4 – RUN, Cloud, MI, ALM	
APP	Local APP	
Power Supply (Adapter)		
Type	External adapter	
Adapter input voltage/frequency	100~240V AC / 50 or 60Hz	
Adapter output voltage/current	5V / 2A	
Power consumption	2.5W (typical), 5W (maximum)	
Mechanical Data		
Ambient temperature range (°C)	-20°C~55°C	
Dimensions (W×H×D)	200mm×101mm×29mm (without antennas)	
Weight	0.28kg	
Installation options	Wall mounting / Desktop mounting	
Features		
Compliance	FCC 15B, FCC 15C, EN62368-1, EN61000-3-2, EN61000-3-3, EN301489, EN300328, EN300440, RCM	

*1 If the DTU installation location is inside the metal box or under the metal/concrete roof, extended antennas will be suggested.

*2 Depending on the installation environment, please refer to user manual for more details.