



Data Transfer Unit Datasheet

DTU-Pro

Description

Hoymiles gateway DTU-Pro is a data transfer unit which collects information and data of PV microinverter using 2.4G wireless solution and sends them to S-Miles Cloud, Hoymiles monitoring System, using different communication options such as Ethernet or Wi-Fi.

With DTU-Pro, users can easily read module-level data and alarms, realize remote operation and maintenance of PV system at any time, from anywhere on S-Miles Cloud.

Features

01

Reliable and Flexible

- Stable communication with HM, MI series of microinverter
- More communication options with S-Miles Cloud, using Ethernet or Wi-Fi
- Support of RS485, Ethernet to communicate with peripherals

02

Simple and Efficient O&M

- Module-level monitoring and data storage
- Local configuration with S-Miles Toolkit
- Support remote O&M including remote upgrading, parameter setting

03

Smart

- Smart zero export control and power export limiting
- PV generation and load consumption monitoring

Technical Specifications

Model	DTU-Pro (Wi-Fi Version)
Communication to Microinverter	
Signal	2.4GHz Proprietary RF (Nordic)
Maximum distance (open space)	200 m
Monitoring data limit from solar panels	99 ¹
Communication to S-Miles Cloud	
Ethernet	RJ45 × 1, 100Mbps
Wireless ²	Wi-Fi: 802.11b/g/n
Sample rate	Per 15 minutes
Communication to Peripherals	
RS485	COM × 1, 9600bps, Modbus-RTU
Ethernet	RJ45 × 1, Modbus-TCP
DRM (For AU/NZ only)	RJ45 × 1, DRM0/5/6/7/8
Interaction	
LED	LED Indicator × 4 – RUN, Cloud, MI, ALM
APP	S-Miles Toolkit
Demand Response Modes	DRM0/5/6/7/8
Power Supply (Adapter)	
Type	External adapter
Adapter input voltage/frequency	100 to 240 V AC / 50 or 60 Hz
Adapter output voltage/current	5V/2A
Power consumption	Typ. 1.5W / Max. 3.0W
Mechanical Data	
Ambient temperature (°C)	-20 to 55
Dimensions (W × H × D mm)	200 × 101 × 29 (without antennas)
Weight (kg)	0.20
Installation method	Wall mounting / Desktop mounting
Environmental rating	Indoor-IP20
Compliance	
Certificates	CE, FCC, IC, RCM, Anatel
Microinverter Compatibility	
Microinverter model	HM series, MI series

*1 This depends on the installation environment. Please refer to user manual for more details.

*2 Extended antenna is recommended if the DTU is installed inside a metal box or under a metal/concrete roof.