



Data Transfer Unit Datasheet

DTU-W100 3rd Gen
DTU-G100 3rd Gen

Description

Hoymiles gateway DTU- W100/G100 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 Platform via Wi-Fi or GPRS communication. This model is small and easy to install, a suitable option for residential PV systems. Users can easily read module-level data and alarm, realize remote operation and maintenance of PV system at anytime from anywhere on S-Miles Cloud.

Features

- 01 Module-level monitoring and data storage
- 02 Integrated to use, simply plug and play
- 03 Stable communication with microinverter via 2.4G wireless communication
- 04 Upload data and alarms of microinverter in real-time, and can be adjusted on site with S-Miles Toolkit
- 05 Remote maintenance of PV system on S-Miles Cloud platform

Technical Specifications

Model	DTU-W100	DTU-G100
Communication to Cloud		
Signal	Wi-Fi (802.11b/g/n)	GSM (850/900/1800/1900 MHz)
Sampling rate	Per 15 minutes	
Communication to Microinverter		
Signal	2.4 GHz Proprietary RF (Nordic)	
Maximum distance (open space)	150 m	
Monitoring data limit from solar panels	99 ¹	
Interaction		
LED	LED Indicator	
Local App	S-Miles Toolkit	
Power Supply (Adapter)		
Type	External adapter	
Adapter input voltage/frequency	100 VAC–240 VAC/50 Hz or 60 Hz	
Adapter output voltage/current	5 V/2 A	
Power consumption	1.0 W (typical), 5 W (maximum)	
Mechanical Data		
Ambient temperature range (°C)	-20 to 55	
Dimensions (W × H × D mm)	143 × 33 × 12.5	
Weight	0.1 kg	
Installation options	Direct plugin	
Features		
Compliance	FCC Part 15B, FCC Part 15C, EN 62368-1, EN 61000-3-2, EN 61000-3-3, EN 301489, EN 300328, EN 300440	
Standard warranty	2 years	
Microinverter Compatibility		
Microinverter model	HM series, MI series	

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