



## 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
<b>Communication to Cloud</b>		
Signal	Wi-Fi (802.11b/g/n)	GSM (850/900/1800/1900 MHz)
Sampling rate	Per 15 minutes	
<b>Communication to Microinverter</b>		
Signal	2.4 GHz Proprietary RF (Nordic)	
Maximum distance (open space)	150 m	
Monitoring data limit from solar panels	99 <sup>1</sup>	
<b>Interaction</b>		
LED	LED Indicator	
Local App	S-Miles Toolkit	
<b>Power Supply (Adapter)</b>		
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)	
<b>Mechanical Data</b>		
Ambient temperature range (°C)	-20 to 55	
Dimensions (W × H × D mm)	143 × 33 × 12.5	
Weight	43 g	
Installation options	Direct plugin	
<b>Features</b>		
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	
<b>Microinverter Compatibility</b>		
Microinverter model	HM series, MI series	

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