



Data Transfer Unit Datasheet

DTU-SLV

Description

DTU-SLV is an intelligent central controller designed for distributed PV power generation systems and plant control systems.

It integrates a high-performance processor, Linux operating system and advanced IoT communication technology.

Realizing data collection, event reporting, intelligent control, and energy management, the DTU-SLV can monitor the microinverter's performance by computer or cell phone conveniently.

Features



Support microinverters, grid-connected switch, load and other equipment acquisition, up to 100 microinverters acquisition.



Uplink support WiFi and Ethernet transmission.



Downstream use Sub-1G wireless communication, no additional wiring.



Supports communication over ports such as RS485.



Data encryption, secure transmission.



Intelligent zero export control preventing surplus power from being returned to the grid.

Technical Specifications

Model	DTU-SLV
Communicate with microinverters	
Communication method	Sub-1G
Maximum Communication Distance (in Open Area)	400m
Maximum communication microinverter quantity	100
Communicate with Solenso monitoring platform	
Ethernet	RJ45*1, 100Mbps
WIFI	IEEE 802.11b/g/n Wireless Transmission Protocol
Interface	
USB	USB3.0 Standard Interface
Bluetooth	Bluetooth 5.2 Connection Mode
RS485	COM*2, 12500bps, Modbus - RTU
DRM (For AU/NZ only)	RJ45 × 1, DRM0/5/6/7/8
Power supply data	
AC Power Supply	110VAC - 277VAC, 50Hz - 60Hz
DC Power Supply	12V/2A
Power Consumption	1.0W
Mechanical Data	
Operating ambient temperature	-25°C ~ +55°C
Dimensions	200mm*120mm*30mm
Class of protection	IP20