



Data Transfer Unit Datasheet

DTU-SLV


Description


DTU-SLV is an intelligent central controller designed for distributed PV power generation 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


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Support microinverters, grid-connected switch, load and other equipment acquisition, up to 100 microinverters acquisition.
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Uplink support WiFi and Ethernet transmission.
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Downstream use Sub-1G wireless communication, no additional wiring.

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Supports communication over ports such as RS485.
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Data encryption, secure transmission.
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Intelligent zero export control preventing surplus power from being returned to the grid.

Model	DTU-SLV
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Communicate with microinverters

Communication method	Sub-1G
Maximum Communication Distance (in Open Area)	400m
Maximum communication microinverter quantity	100

Communicate with Solense 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