

# Energy control Unit Datasheet



## ► Description

- ECU 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.
- Data encryption, secure transmission.
- Downstream use Sub-1G wireless communication, no additional wiring.
- Supports communication over ports such as RS485.
- Intelligent zero export control preventing surplus power from being returned to the grid.

## ► Technical Specifications

<b>Communicate with microinverters</b>	Communication method	Sub - 1G
	Maximum Communication Distance (in Open Area)	400m
	Maximum communication microinverter quantity	100
<b>Communicate with monitoring platform</b>	Ethernet	RJ45*1, 100Mbps
	WIFI	IEEE 802.11b/g/n Wireless Transmission Protocol
<b>Interface</b>	USB	USB2.0 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
<b>Power supply data</b>	AC Power Supply	110VAC - 277VAC, 50Hz - 60Hz
	DC Power Supply	12V/2A
	Power Consumption	<5W
<b>Mechanical Data</b>	Operating ambient temperature	-25°C - +55°C
	Dimensions	200mm*120mm*30mm
	Class of protection	IP20