

Wireless Data Transmission Unit

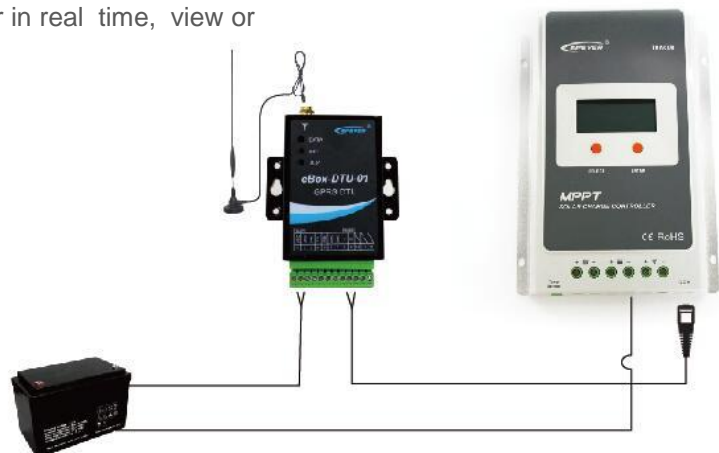
Box-DTU-01



eBox-DTU-01 is a kind of GPRS DTU which can make the solar controller immediately have the networking capability, and centrally manage the decentralized solar controllers via the GPRS network, as well as monitor the operating state of the solar system in real time and view the real-time parameters and other information through the solar intelligent monitoring platform. Concise and simple appearance, compact size, convenient to operate. It is applicable to road monitoring, communication base station, home solar power station, meteorological and environmental monitoring, power equipment monitoring and other off-grid solar power supply systems.

Main features :

- Use high performance Cortex-M0 core based embedded processor
- Built-in watchdog, never crash, and automatic recovery when dropping the connection
- 4 frequency bands, global universal, and support 850/900/1800/1900MHz GPRS networks
- Support configuration modes of PC setting software, serial port instruction, SMS(short message service) instruction
- Support the solar controller with RS485 communication mode for data transfer
- Support UDP and TCP protocols
- Solar intelligent monitoring platform, which can monitor the working state of the controller in real time, view or modify the controller parameters



Applicable Models :

Product series	Communication	Interface type
LS-B series	RS485	RJ45
VS-BN series		
Tracer-A series		
Tracer-BN series		
eTracer-AD series		3.81-4P
eTracer-BND series		
iTracer-ND series		

Technical Specifications:

Item	Models	eBox-DTU-01
Input voltage		DC8V~32V (Power supply by the battery)
Standard power supply		DC12V/2000mA
Standby power consumption		0.36W
Operation power consumption		0.72W
Standard frequency bands		850/900/1800/1900MHz global universal
Configuration modes		Upper PC setting software, serial port instruction, SMS instruction
Transfer mode		EPSOLAR proprietary protocol
Communication		RS485
Communication cable		RJ45 to 3.81 cable (CC-RJ45-3.81-150U) 3.81 to 3.81 cable (CC-TCP232-100U-3.81)
Baud rate		300bps~230400bps (Default 115200)
Antenna port		50Ω SMA female head
Working temperature		-25~75℃
Enclosure		IP30
Humidity		5-95%(N.C.)
Overall dimension		102mm×73mm×16mm (Including the antenna and mounting handle)
Mounting dimension		61mm / 61×25mm
Mounting hole size		Φ4 /Φ3
Net weight		120g



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