

Overview

EPEVER-RTU-4G-C is a new wireless data transmission terminal based on the 4G network. Through the GSM/GPRS SIM card, the controllers and inverters connected to the EPEVER-RTU-4G-C can easily access our company's cloud server. It helps realize remote, wireless, and networked communication among devices quickly. It is equipped with complete network coverage, a flexible connection (use immediately after installation), low operating costs (charge according to the network traffic), and convenient operations. EPEVER-RTU-4G-C can be widely used in fields of solar light and emergency backup power, such as road monitoring, communication stations, home solar stations, meteorological and environmental monitoring, and backup power monitoring.

Features

- High-performance Cortex-M0 embedded processor
- Built-in watchdog ensures no crash and automatic recovery
- Support Unicom and mobile network, universal four frequency bands
- Support PC software setting, serial port command, SMS command
- Wider input voltage(DC8~64V or DC5V), suitable for various applications
- Support controller/inverter designed with RS485 communication mode
- Data transmitted by the fixed IP or dynamic domain name resolution
- Support TCP/UDP protocol
- Support PC or phone APP to monitor status and modify parameters



Technical Specifications

Parameter	EPEVER-RTU-4G-C
Input voltage	DC8~64V or DC5V(Supply by the battery)
Power consumption	Peak emission voltage: 5V@200mA Idle voltage: 5V@40mA
Working frequency	2.4~2.4835GHz
Configuration methods	Cloud server, PC software, serial port command, SMS command
Transmission protocol	EPEVER IoT communication protocol V1.1
Communication method	RS485
Communication cable	Included: RS485 to 5.08 cable(CC-RJ45-5.08-150U) Optional: 3.81 to 5.08 cable(CC-3.81-5.08-100U)
Communication standard	The male head standard in "Communication Interface Standard V-1.1"
Baud	9600Bps ~ 115200bps, 8N1
Antenna connector	50Ω SMA (female head)
Antenna gain	2.5dBi ~ 5dBi
Working temperature	-40°C ~ 85°C
Enclosure	IP54
Humidity range	5 ~ 95%(NC.)
Dimensions	98Mm×86mm×24mm (Include the antenna and handle)
Mounting dimension	75mm / 75×25mm
Mounting Holes	Φ4 / Φ3
Net Weight	198g