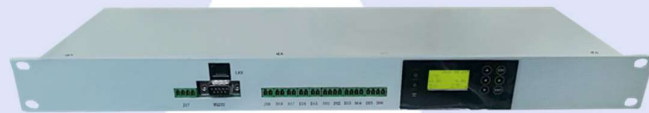


Magnizon Control Module

Product Description

MQ48D-MPPT is an advanced control module that manages the rectifier modules and load sharing, load switching between Solar MPPT and AC mode rectifiers, Automatic Generator start/stop function and remote management of the entire system.



Application

- Solar hybrid telecom setup
- Fiber optic network and data room
- Access Network
- Transmission equipment's
- Mobile communications
- Satellite communications ground stations
- BTS, 4G/5G base stations
- Manufacturing industry

Key Feature

- Wide Working Temperature range: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- Monitors the power system operating status in real time
- High system management capabilities, can set various parameters and functions of the system.
- The interface language is Chinese/English optional (it can display 8×4 Chinese characters). The user's interface is simple and effective.
- The Modem configured with GPRS function can realize remote monitoring through providing data to the Internet server
- Detects and reports alarms in real time
- Supports multiple remote management modes
- Supports flexible rectifier management.
- Supports effective energy conservation management
- Supports comprehensive battery management.
- Supports intelligent temperature control management
- Supports flexible and programmable logic control
- Supports detailed data records and performance statistics

MQ48D-MPPT

Specifications

Item	MQ48D-MPPT
DC INPUT	
Voltage (V)	40Vac ~ 60Vdc
Current (A)	≤0.2A
Power	10W
COMMUNICATION PORT	
Signal input	1 Battery temp., 1 ambient temp., 2 common DI
Alarm output	4 dry contact
SNMP	TCP/IP (optional)
RTU with GPRS	Yes(optional)
CAN	
Baud Rate	125K bit/s
STORAGE CAPACITY	
Historical records	Up to 1000
DISPLAY MODE	
Dimensions mm (LCD)	13×36
Dimensions mm(W×D×H)	106×195×42
Weight (kg)	1.5kg

Indicator Functional Specification

Indicator	Normal	Anomaly	Abnormal cause
Working indicator (green LED)	On	Off	The power supply is not working
		Flashing	The control module operates the rectifier module
Alarm indicator (yellow LED)	Off	On	AC input overvoltage, under voltage, short circuit, over temperature
		Flashing	Communication interrupt
Fault indicator (red LED)	Off	On	Rectifier module fault, PFC output overvoltage
		Flashing	Rectifier module fan fault