

Accessories



BT-1



BT-2

Parameters

Model	BT-1	BT-2
Applicable controller model	ML series	MC series
Input voltage	5V-12V	
standby power	0.04W	
Operating power	0.05W	
Communication distance	≤15m	
Serial port baud rate	Fixed baud rate:9600bps	
Communication mode	RS232	TTL
Interface type	RJ12	PH2.0-4
Cable length	3m	1.5m
Product Dimensions	66×51×15.5(mm)	67.3×36×15.5(mm)
Operating temperature	-20°C-75°C	
Net weight	120g	



RM-5



RM-6

Model	RM-5	RM-6	RM-7
Applicable controller model	ML series	MC series	MC series
Input voltage	12V	5V-12V	5V-12V
Static power consumption	<0.3W	<0.03W	<0.12W
Operational power	<0.42W	<0.04W	<0.2W
Fixed baud rate	9600bps		
Communication mode	RS232	TTL	TTL
Interface type	RJ12	PH2.0-4	Db9
Cable length	2m	1.5m	5m
Operating temperature	-35°C ~ +65°C		
Humidity	95%, no condensation		
Protection grade	IP32		
Weight	500g	90g	90g
Product Dimensions	116×116×48(mm)	105×56×12(mm)	104.5×55.3×25(mm)

Performance characteristics

- Realize the wireless monitoring and control function of the solar controller, support mobile APP, plug and play, simple and convenient setting.
- No external power supply is required, and the power is directly supplied by the communication port. The communication distance can be up to 15 meters.
- Use high-performance, ultra-low-power Bluetooth dedicated chip. Using Bluetooth 4.0 and BLE technology, it has the characteristics of fast communication and strong anti-interference ability..

Performance characteristics

- The LCD graphical main menu is used to easily view the complete operating data of the system in real time, and a variety of parameters can be set.
- No external power supply is required, and the power is directly supplied by the communication port. The communication distance can be up to 15 meters.

MPPT Solar Charge Controller

MT2410N10



Performance characteristics

- Support 100V maximal open-circuit voltage of photovoltaic panel.
- Double-peak or multi-peak MPPT technology, suitable for partial shading or partial damage of photovoltaic batteries.
- Advanced digital power technology, right conversion efficiency at 98%.
- Four-stage charge mode: MPPT - equalizing charge - boost charge - float charge.
- Fault code indication, easy to determine the system fault.
- It can be equipped with RM-5 LCD screen so as to view the operation data and state of the equipment and change the controller parameters.
- With multiple load control modes, it can automatically identify day/night and enhance the flexibility of load system.

Parameters

Model	MT2410N10
Operating voltage range of battery	8V-32V
Charge mode	Trace MPPT at maximal power
Maximum PV open-circuit voltage	100V (95V protection, stop charging, Restore in case of less than 90V)
Voltage range of MPPT working point	(Vbat+2)~72V
MPPT tracking efficiency	> 99%
Charge conversion efficiency	85%~98% (10%~100% of rated power)
Rated charge current	10A
Maximum solar panel power	130W/12V ; 260W/24V
No-load loss	≤10mA
Rated load current	10A (breaking type)
Overload protection	1.25 times of 10s protection; 1.5 times of 5s protection; double 1s protection
Load working mode	Pure optical control, light and time control, manual mode (default), debugging mode, constant on mode
Optical control voltage	Optical control on 5V; optical control off 6V; *2/24V
Optical control delay	Optical control on: 5min; Optical control off: 1min
Equalizing charge interval	30 days
Equalizing charge duration	120min
Internal overtemperature protection	When the internal temperature of the controller is higher than 60 °C, the controller will run with power declining linearly until the charge stops; when the temperature is reduced, the charge can be restored.
Working temperature	-35°C ~ + 65°C ;
Protection level	IP64
Weight	430g
Product dimension	143×71×37.4(mm)
Installation size	139×48 (mm)