



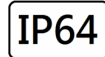
# SOLAR-MT

Solar Charge and Discharge Controller



With the advanced dual-peak or multi-peak tracking technology  
 Built-in maximum power point tracking algorithm can significantly improve the energy utilization efficiency of photovoltaic systems,  
 The product boasts an optimum MPPT tracking efficiency of up to 99.9%.  
 Automatic recognition of battery voltage is supported  
 The controller supports standard Modbus protocol, fulfilling the communication needs of various occasions.

## Technical Data

System voltage (Auto)	12V/24V DC
No-load loss	<15mA
Rated charge and discharge current	10A
Max. input power of solar panel	130W @12V Battery 260W @24V Battery
Max. input voltage of solar panel	<150V
MPPT tracing efficiency	>99%
Overvoltage protection	16.5V@12V Battery 33.0V@24V Battery
Limited charging voltage	15.5V@12V Battery 31.0V@24V Battery
Equalizing charging voltage	15.2V@12V Battery 30.4V@24V Battery
Equalizing charging interval	30days
Boost charging voltage	14.4V@12V Battery 28.8V@24V Battery
Floating charging voltage	13.8V@12V Battery 27.6V@24V Battery
Over-discharge recovery voltage	12.5V@12V Battery 25.0V@24V Battery
Over-discharge voltage	11.0V@12V Battery 22.0V@24V Battery
Equalizing charging time	1H
Boost charging time	2H
Light control voltage	Light control on 5V Light control off 6V
Light-operated delay time	5 min
Operating temperature	-35°C to +65°C
Weight	430g
Product dimensions	143*71*37.4mm
Altitude	<3000m
IP protection degree	IP64
Protection functions	Load current >1.25 times rated current, cut off the load within 10 seconds Load current >1.50 times rated current, cut off the load within 5 seconds
Certification	  

Project	Fixture#	Date
		Firm



## Ordering Information

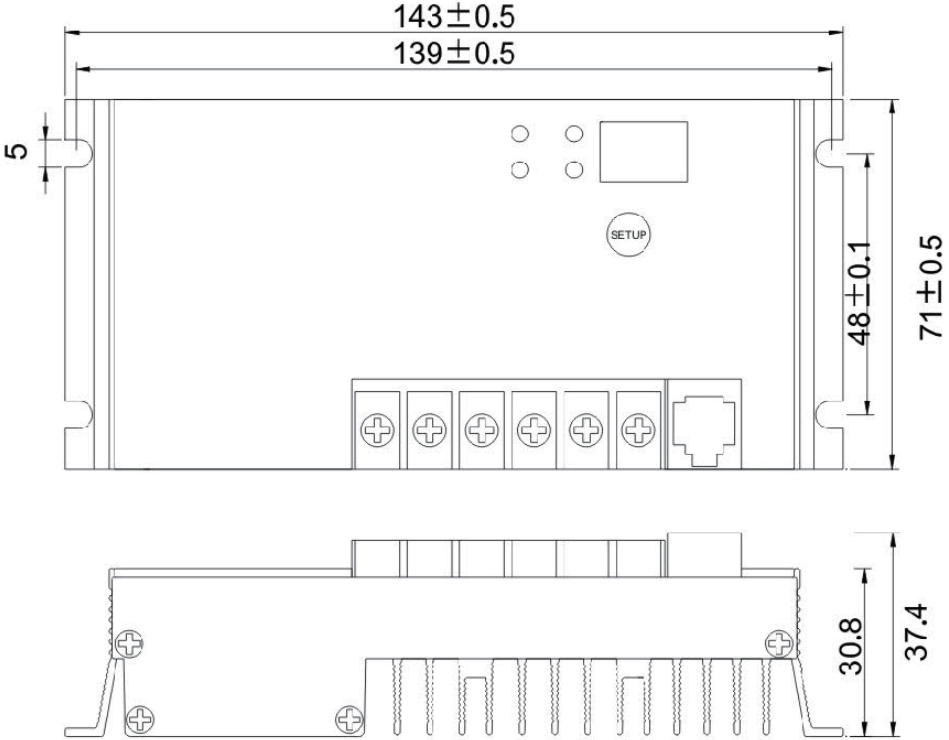
Choose the option that suits your need and write its corresponding code on the appropriate line to form the product code.

Example product code: [SOLAR-MT2410](#)

SOLAR-MT -           2410            
Rated charging  
current

Rated charging current	
Code	Description
2410	10A

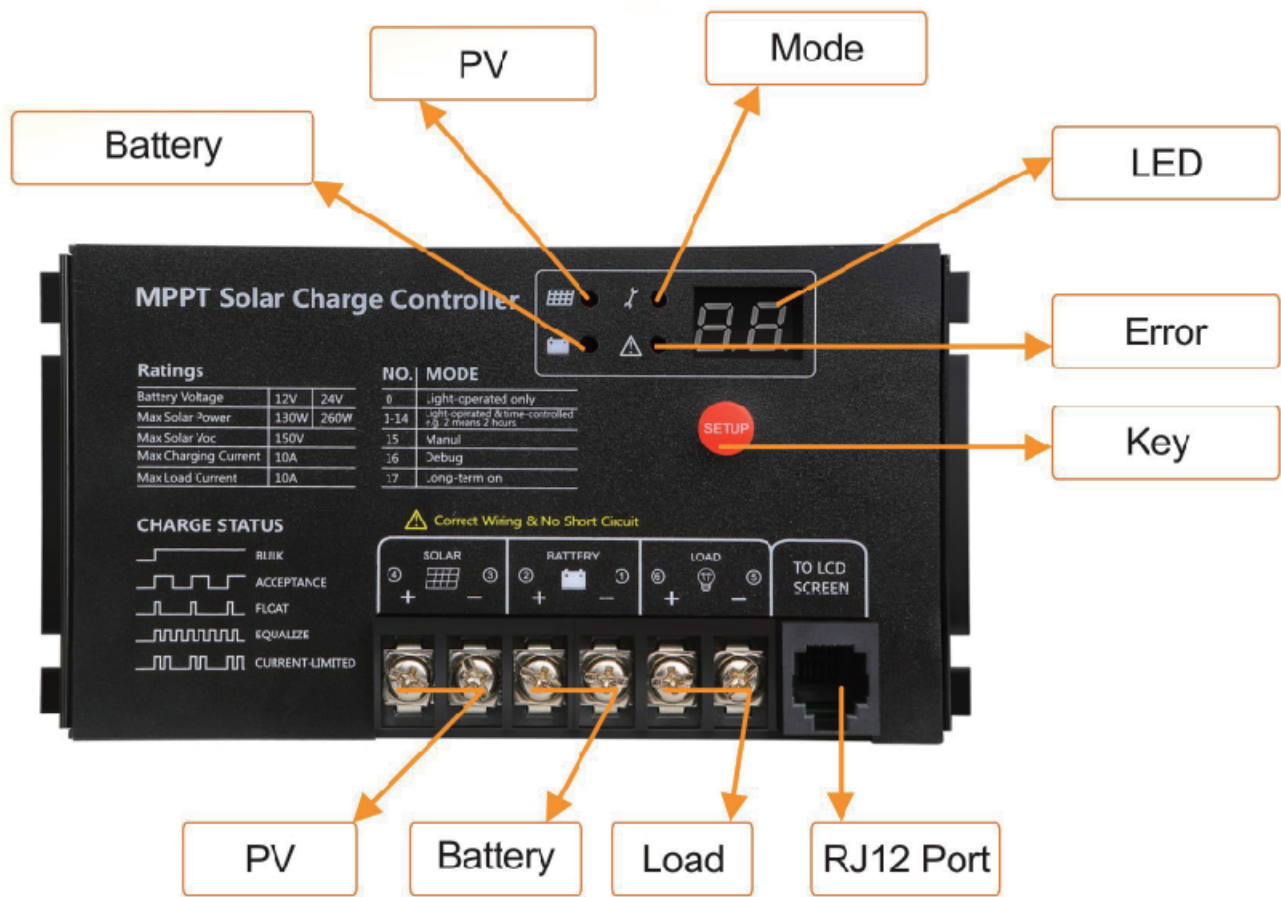
Technical Drawing



Overall dimension: 143x71x36(mm)

Unit: mm

Technical Drawing



# Wiring Drawing

