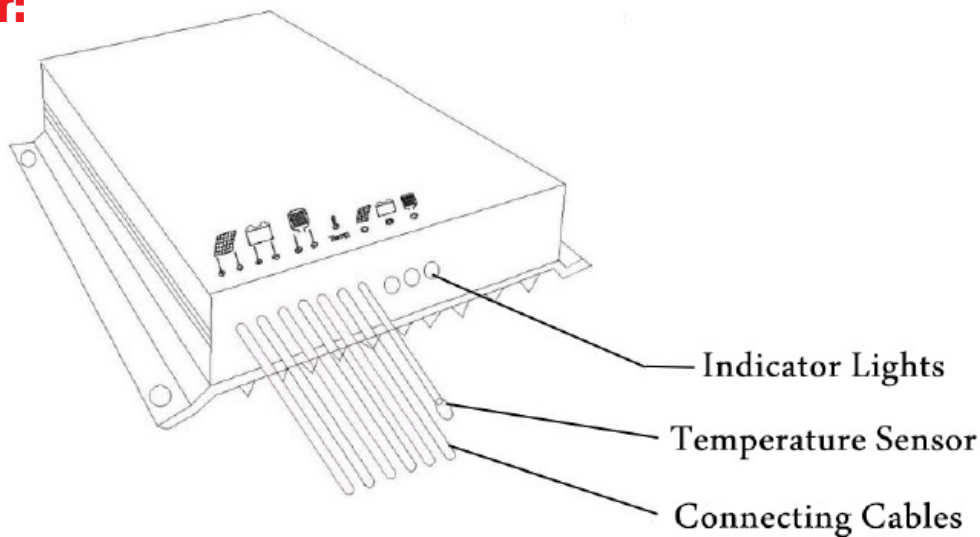
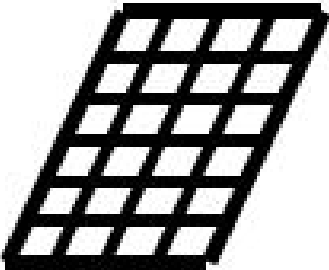




Exterior:



Indicator Lights:

Indicator:	Indicated Item:	Status:	Meaning:
	Solar Panel	Steady ON	Solar Panel Voltage is higher than the Light Control Voltage
		OFF	Solar Panel Voltage is less than the Light Control Voltage
		Slow Flashing	Charging in Process
		Rapid Flashing	Over-voltage
	Battery	Steady ON	Normal Battery Function
		OFF	Battery is not Connected
		Rapid Flashing	Battery Over Discharged
	Load	Steady ON	Load Receiving Power
		OFF	Load Not Connected or Switched Off
		Slow Flashing	Open-Circuit Load
		Rapid Flashing	Short-Circuit Load

Charging Batteries:

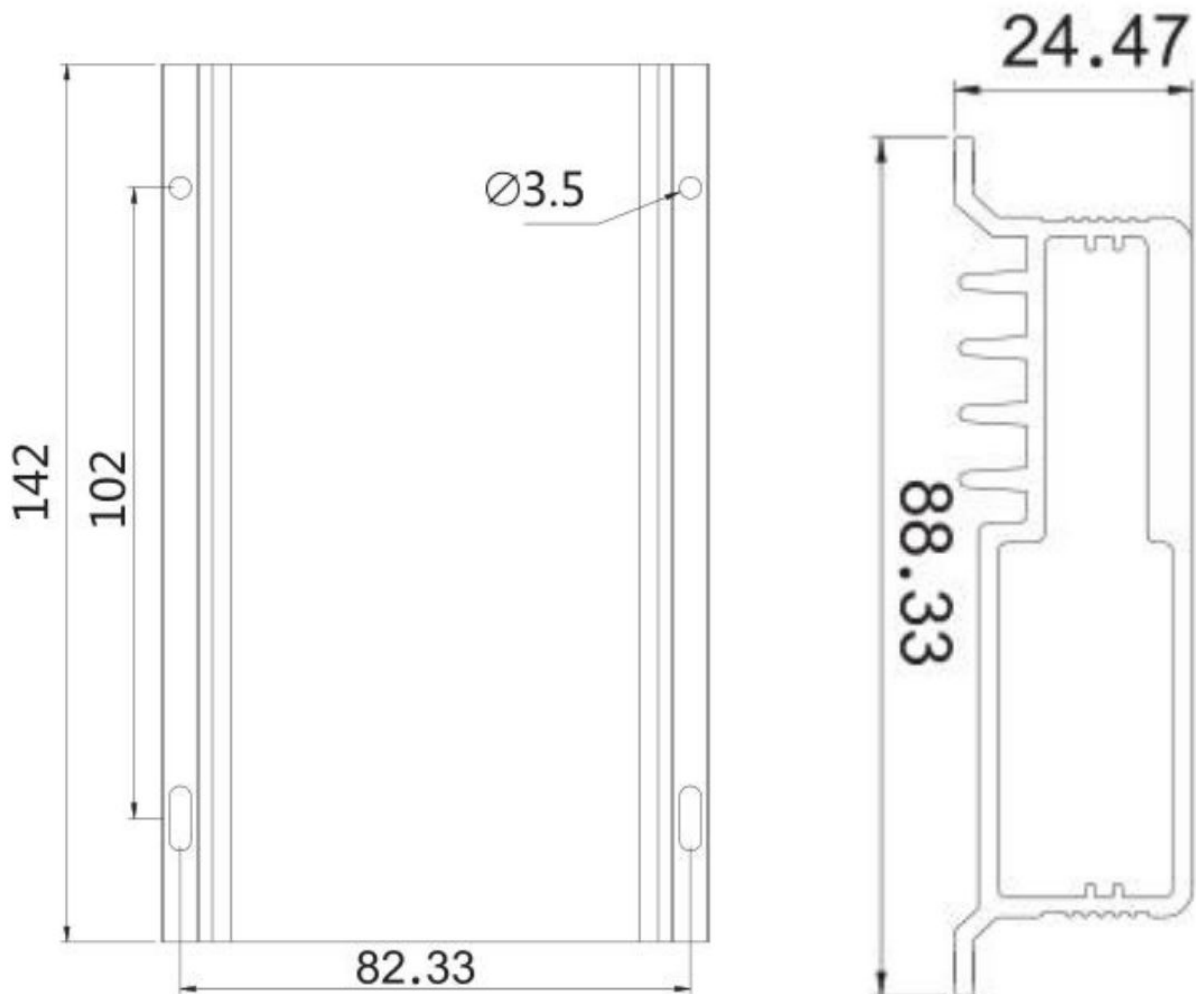
When the MPPT Controller is connected to a battery, the controller will charge the battery differently depending on voltage.

- If the battery is greater than 13.2V, the controller will skip equalizing & boost charging and start float charging the battery.
- If the battery is less than 13.2V the battery charge will follow this order: Equalizing charge for 1 hour, boost charging for 2 hours, and then float charging.

Equalizing charge will occur every 30 days.

Installation Dimensions:

External Dimensions (mm):	142 x 88.33 x 24.5
Bolt Spacing (mm):	102 x 82.33
Mounting Hole Diameters (mm):	3.5



Specifications:

	Values:
Model:	MPL2410
No-Load Loss:	26mA
System Voltage:	12V
Charging Current:	10A
Max Solar Panel Power:	130W
Solar Panel Input Voltage:	<60V
MPPT Tracking Efficiency:	>99%
Charging Conversion Efficiency:	90% to 96%
Dimming Output Voltage:	0 to 10V
Max Output Current:	10A
Over-Voltage Protection:	17V
Over-Discharge Voltage:	11.0V
Over-Discharge Recovery Voltage:	12.6V
Light Control Voltage:	10.0V
Light Control Delay:	1min
Operating Temperature:	-35°C to +65°C
International Protection Rating:	IP68
Weight:	490grams

Lead Acid Batteries:

Charging Voltage Limit:	15.5V
Equalizing Charging Voltage:	14.6V
Equalizing Charging Time:	1 hour
Equalizing Charging Interval:	30 Days
Boost Charging Voltage:	14.4V
Boost Charging Time:	4 hours
Floating Charging Voltage:	13.8V
Temperature Compensation Factor:	-3.0mV/°C/2V

Lithium Batteries:

Disallow Charging Below 0°C:	On
Overcharge Voltage:	14.6V
Overcharge Recovery Voltage:	13.6V

Settings follow this priority list: Boost charging voltage > floating charging voltage > over-discharge recovery voltage > over-discharge voltage.

12 MONTH LIMITED WARRANTY

WARRANTY PERIOD:

Full 12 month warranty from date of purchase against all manufacturing defects.

WHAT DOES THE WARRANTY COVER?

Under normal usage conditions, this warranty covers:

- a. Any defect in design or manufacture which results in the product failing to perform substantially as described in authorised advertising or literature.
- b. We will either repair or replace the product at our discretion providing that the fault is found to have been caused by a design or manufacturing defect and not misuse or tampering.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. The benefits provided to you as the consumer by this warranty are in addition to other rights and remedies available to you under the law.

THE WARRANTY DOES NOT COVER:

- a. Any damage resulting from improper use
 - b. Faulty installation or modification made during installation
 - c. The cost of removing and reinstalling the product
 - d. Travel and /or other expenses due to customer's remote location
 - e. Transport charges and damage in transit. It is your responsibility to deliver and pick up your product, including any costs associated with the postage of your repair or replacement product. If you do freight your product we recommend that you insure against loss or damage.
 - f. Any loss directly or indirectly associated with the product failing to operate.
 - g. Damage caused by mould, insects, animals, misuse, incorrect operation, adverse weather, accidents and fair wear and tear
-

TO MAKE A CLAIM, PLEASE ENSURE YOU RETAIN YOUR SALES RECEIPT OF PURCHASE

CALL 1800 88 39 64



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