

MPPT CONTROLLER



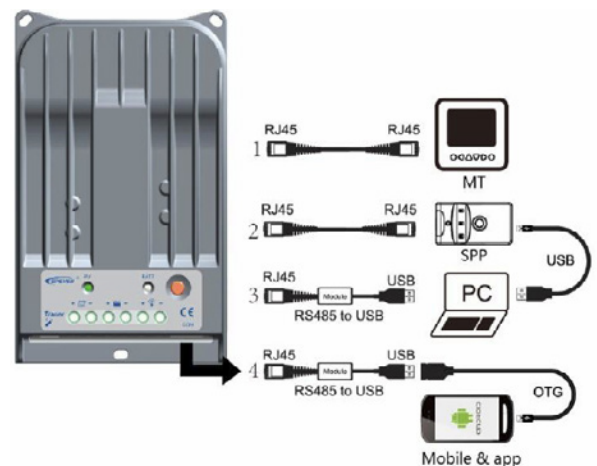
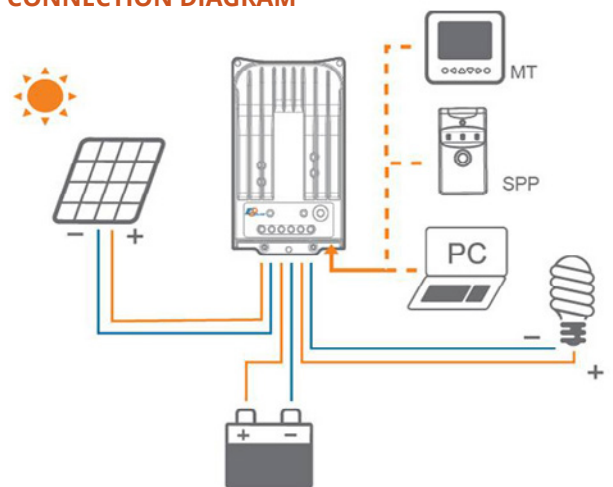
PROTECTIONS

- » PV short circuit and over current protection
- » PV and Battery reverse polarity protection
- » Battery over discharge and voltage protection
- » Load overload protection
- » Battery overheating protection
- » Controller overheating protection

FEATURES

- » Advanced MPPT technology, with efficiency no less than 99.5%
- » Maximum conversion efficiency of 98%
- » Ultra-fast tracking speed
- » High accuracy of recognizing and tracking of multiple power points
- » Automatic function of maximum PV input power
- » Wide MPP operating voltage range
- » Load controls: Manual control, light ON/OFF, light On + Timer control
- » Support 4 Charging options: Sealed Gen, Flooded and User
- » Battery temperature compensation function
- » Real-time energy statistics function
- » RS-485 communication bus interface Modbus protocol
- » PC monitoring and external display unit supports
- » Software upgradeable

CONNECTION DIAGRAM

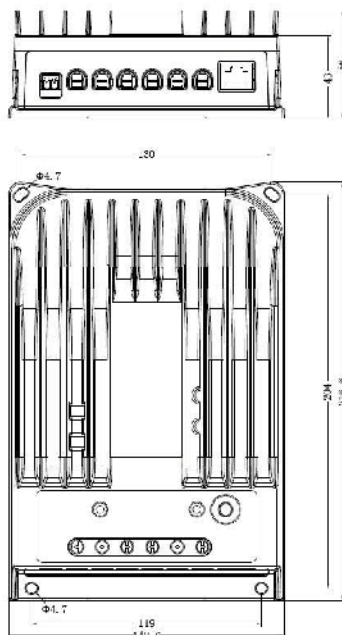


MODEL	ETG-2215BN	ETG-3215BN
Nominal System Voltage	12/24V Auto work	12/24V Auto work
Rated Battery Current (A)	20	30
Rated Load Current (A)	20	20
Max.PV Open Circuit (V)	150V@ environment temperature /138V@25°C	
Max. PV Input Power	260W(12V)	390W (12V)
	520W(24V)	780W (24V)
Dimension	217x143x56mm	281x160x60mm
Terminal (mm ²)	10	16
Net Weight (kg)	1.5	2.3

Equalize Charging (V)	Sealed: 14.6V, flooded: 14.8V, USER: 9~17V	MPP Voltage Range	Battery voltage +2V~180V
Boost Charging Voltage	Gel: 14.2V, Sealed: 14.4V, Flooded: 14.6V, USER: 9~17V	Grounding	Common negative
Float Charging Voltage	Gel /sealed /flooded: 13.8V, USER: 9~17V	Temperature Compensation	-3mV/°C/2V
Low Voltage Reconnect (V)	Gel /sealed /flooded: 12.6V, USER: 9~17V	Communication Port	RS485 / RJ45 interface
Low Voltage Disconnect (V)	Gel /sealed /flooded: 11.1V, USER: 9~17V	Working Temperature	-30°C ~ +85°C
Self-Consumption	≤60mA(12V) ≤30mA(24V)	Storage Temperature	-35°C ~ +80°C
Humidity	≤95% N.C.	Enclosure	IP30

DIMENSIONS

ETG-2215BN



ETG-3215BN

