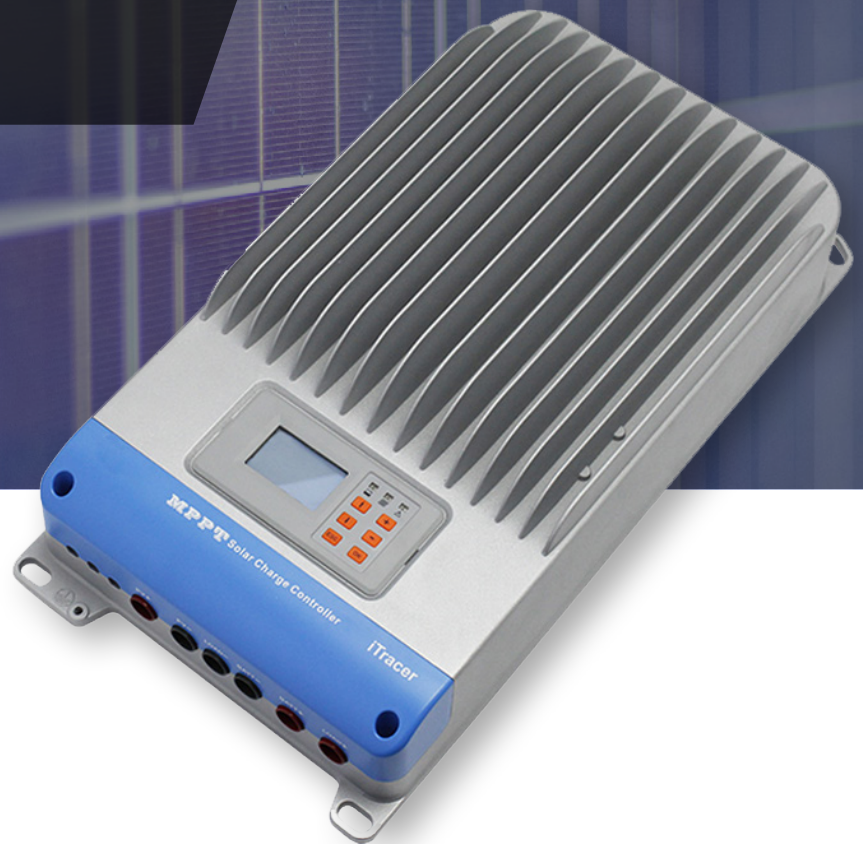


# HIGH-END MPPT CONTROLLER



## PROTECTIONS

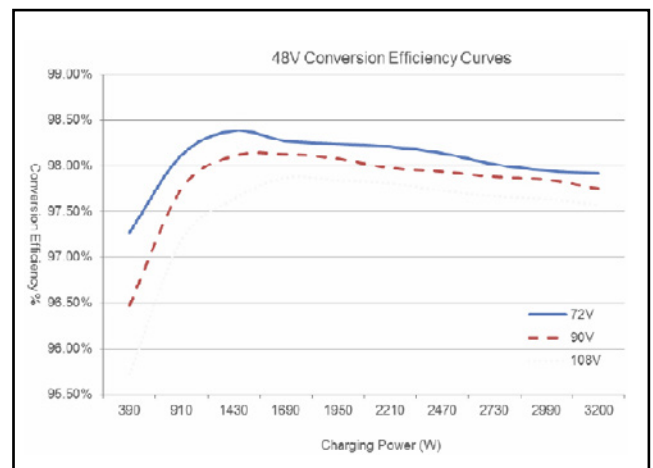
- » PV short circuit and over current protection
- » PV and Battery reverse polarity protection
- » Battery over discharge and voltage protection
- » Load overload protection
- » Battery overheating protection
- » Controller overheating protection

## FEATURES

- » Advanced MPPT technology, with efficiency no less than 99.5%
- » Maximum conversion efficiency of 98%
- » Ultra-fast tracking speed
- » High accuracy of recognising and tracking of many 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



## CONVERSION EFFICIENCY



MODEL	ETG-IT6415ND
Nominal System Voltage	12/24V Auto work
Rated Battery Current (A)	60
Battery Input Voltage Range (V)	8-68
Max. PV Open Circuit Voltage	150V (at minimum operating environment temperature) 138V (at 25°C environment temperature)
MPP Voltage Range	Battery voltage+2V~108V
Maximum Input Power	800W/12V 1600W/24V 2400W/36V 3200W/48V
Dimensions (mm)	440 x 231 x 110
Net Weight (kg)	5.9

Self Consumption	1.4W ~ 2.6W	Discharge Circuit Voltage Drop	≤0.3V
Grounding	Common Positive	LCD temperature range	-20°C ~ +70°C
Altitude	<5000m	Working temperature	-25°C ~ +55°C
Humidity	≤95% N.C.	Storage temperature	-30°C ~ +85°C
Enclosure	IP20	Terminal	2AWG (35mm)
Mounting Hole	Φ10		

## CONTROLLER FIGURE

