

3kW MPPT SOLAR CHARGE CONTROLLER



TommaTech’s 3kW combined MPPT and DSP controller, will adjust solar electricity to charge batteries smoothly and according to their individual specifications. Compared to traditional solar charge controllers, it allows your solar panels to operate at their optimum power output voltage, providing higher efficiency up to 98% with lower power loss.

In combination with an inverter, solar panels, as well as external battery packs, TommaTech’s 3kW MPPT-SCC can become the center of a standalone solar solution to generate green power for your home appliances.

Product Features

- › Intelligent Maximum Power Point Tracking technology

› Built-in DSP controller with high performance

› Automatic battery voltage detection (Only for 600W and 3kW)

› Battery temperature sensor (BTS) automatically provides temperature compensation (Only for 3kW)
- › Three-stage charging optimizes battery performance

› Automatic load-detection

› Multifunctional LCD displays detailed information

› Reverse polarity protection for solar panel and battery

› Overcharge and overload protection

› Suitable for different battery types

MODEL	SCC-MPPT 3kW
INPUT	
MPPT Operating Voltage [V]	60 ~ 115
Maximum PV Array Open Circuit Voltage [V]	145
Maximum PV Array Power [W]	800 1600 3200
Maximum Current [A]	50
OUTPUT	
Nominal Battery Voltage [V]	12 24 48
Connected Battery Type	Sealed Lead Acid, AGM or Gel
Maximum Charging Current [A]	60
Maximum Efficiency [%]	98
Charging Method	Three Stages: Bulk, Absorption, and Floating
PROTECTION	
Overload Protection	> %110 : Audible Alarm
Overcharge Protection	Yes
Polarity Reversal Protection	Yes
INDICATORS	
LCD Panel	LCD Panel Indicating Solar Power, Load Level, Battery Voltage / Capacity, Charging Current and Fault Conditions
LED Display	Three Indicators For Solar, Charging and Load Status
PHYSICAL FEATURES	
Dimensions [DxWxH] [mm]	315 x 165 x 128
Net Weight [kg]	4.5
IP Protection	IP31
ENVIRONMENT	
Humidity [%]	5 ~ 95 RH (Non-Condensing)
Operating Temperature [°C]	0 ~ 55
Storage Temperature [°C]	-15 ~ 60
Maximum Working Altitude [m]	0 ~ 3000