



The TommaTech AU controller is a PWM charge controller with built in LCD display that adopts the most advanced digital technique. The multiple load control modes enable it can be widely used on solar home system, traffic signal, solar street light, solar garden lamp, etc.

Product Features

- › High quality components
- › Complies with UL and VDE quality standards
- › -25 to 55 °C Operating Temperature
- › Dynamic LCD design
- › Dual USB design for electronic devices
- › Comprehensive protection
- › Multiple load control modes
- › Energy statistics function

MODEL	TT 1024AU	TT 2024AU	TT 3024AU	TT 3048AU	TT 4524AU	TT 4548AU	TT 6024AU	TT 6048AU
Nominal system voltage	12/24VDC Auto		12/24/36/48 VDC Auto		12/24 VDC Auto	12/24/36/48 VDC Auto	12/24 VDC Auto	12/24/36/48 VDC Auto
Battery Input Voltage Range	9V~32V		9V~64V		9V~32V	9V~64V	9V~32V	9V~64V
Rated Charge / Discharge Current	10A@55 °C	20A@55 °C	30A@55 °C		45A@55 °C		60A@55 °C	
Max. PV Open Circuit Voltage	50V		96V		50V	96V	50V	96V
Battery Type	Sealed (Default) / Gel / Flooded							
Equalize Charging Voltage	Sealed:14.6V / Gel: No / Flooded:14.8V							
Boost Charging Voltage	Sealed:14.4V / Gel:14.2V / Flooded:14.6V							
Float Charging Voltage	Sealed /Gel / Flooded:13.8V							
Low Voltage Reconnect Voltage	Sealed / Gel / Flooded:12.6V							
Low Voltage Disconnect Voltage	Sealed / Gel/Flooded:11.1V							
Self-Consumption	≤9.2mA/12V; ≤11.7mA/24V; ≤14.5mA/36V; ≤17mA/48V							
Temperature Compensation Coefficient	-3mV / °C / 2V (25 °C)							
Charge Circuit Voltage Drop	≤0.29V							
Discharge Circuit Voltage Drop	≤0.16V							
LCD Temperature Range	-20 °C~+70 °C							
Working Environment Temperature	-25 °C~+55 °C (Product Can Work Continuously at Full Load)							
Relative Humidity	≤95%, N.C.							
Enclosure	IP30							
Grounding	Common Positive							
USB Output	5VDC / 2.4A (Total)							
Overall Dimension (mm)	142x85x41.5	160x94.9x49.3	181x100.9x59.8		194x118.4x63.8		214x128.7x72.2	
Mounting Dimension (mm)	130x160	148x70	172x80		185x90		205x100	
Mounting Hole Size (mm)	Φ 45		Φ 5		Φ 5		Φ 5	
Terminals (mm)	4/12AWG	10/8AWG	16 /6AWG		16/6AWG		25/4AWG	
Weight	0.22kg	0.35kg	0.55kg	0.58kg	0.76kg	0.88kg	1.02kg	1.04kg

*Above the parameters are in 12V system at 25 °C, twice in 24TT-system, triple in 36V system and quadruple in 48V system