

# AU TT-AU SERIES SOLAR CHARGE CONTROLLER



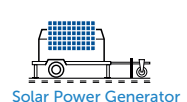
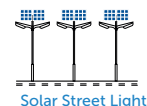
## Overview

The ViewStar 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.



## Features

- Adopt high quality components of ST,IR and Infineon, make sure product using lifespan
- Terminals have UL and VDE certification, the product is more safer and more reliable
- Controller can work continuously at full load within the environment temperature range from -25° to 55°
- 3-Stage intelligent PWM charging: Bulk, Boost/Equalize, Float
- Support 3 charging options: Sealed, Gel, and Flooded
- LCD display design, dynamically displaying device's operating data and working condition
- Double USB design, the power supply charge for electronic equipment
- With humanized button settings, operation will be more comfortable and convenient
- Multiple load control modes
- Energy statistics function
- Battery temperature compensation function
- Extensive Electronic protection





## Technical specifications

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	12/24VDC Auto	12/24/36/48 VDC Auto	12/24VDC 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	130x60mm	148x70mm	172x80mm		185x90mm		205x100mm	
Mounting hole size	4.5mm		5mm		5mm		5mm	
Terminals	4mm /12AWG	10mm /8AWG	16mm /6AWG		16mm /6AWG		25mm2/4AWG	
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