

The Traveler Series™ : *Adventurer*

30A PWM
Flush Mount Charge Controller w/ LCD Display



2775 E. Philadelphia St., Ontario, CA 91761
1-800-330-8678

Technical Specifications

Description	Parameter
Nominal Voltage	12V / 24V Auto Recognition
Rated Charge Current	30A
Max. PV Input Voltage	50 VDC
Equalization Voltage	Sealed: 14.6 V; Gel: None; Flooded: 14.8 V (x2 / 24V)
Boost Voltage	Sealed: 14.4 V; Gel: 14.2 V; Flooded: 14.6 V (x2 / 24V)
Float Voltage	13.8V (x2 / 24V)
Under Voltage	12V / 24V
Self-consumption	≤13mA
Temperature Compensation Coefficient	-3mV/°C/2V
Operating Temperature	-25°C to +55°C -13°F to 131°F
Storage Temperature	-35°C to +80°C -31°F to 176°F
Enclosure	IP20
Terminals	Up to #4 AWG
Weight	0.6 lbs.

Battery Charging Parameters

All the coefficient is referred to 25°C, and twice in 24V system rate.

Battery	GEL	SEALED	FLOODED
High Voltage Disconnect	16 V	16 V	16 V
Charging Limit Voltage	15.5 V	15.5 V	15.5 V
Over Voltage Reconnect	15 V	15 V	15 V
Equalization Voltage	-----	14.6 V	14.8 V
Boost Voltage	14.2 V	14.4 V	14.6 V
Float Voltage	13.8 V	13.8 V	13.2 V
Boost Return Voltage	13.2 V	13.2 V	13.2 V
Low Voltage Reconnect	12.6 V	12.6 V	12.6 V
Under Voltage Recover	12.2 V	12.2 V	12.2 V
Under Voltage Warning	12 V	12 V	12 V

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