



NEW EDITION VOYAGER 10A/20A PWM WATERPROOF CHARGE CONTROLLER



RENOGY NEW EDITION VOYAGER 10A/20A PWM WATERPROOF CHARGE CONTROLLER

Featuring a bright blue back-lit LCD displaying system information including error codes, the Voyager 10/20-amp charge controller is engineered to be of world-class quality. Not only is it waterproof, but it is also equipped with advanced PWM technology suitable for 12V and 24V off-grid applications, and compatible with 4 different battery types, including Lithium! Ensure your system's longevity and stay worry-free as the Voyager also has you covered with multiple solar panel, battery, and controller protections. It's the perfect solar panel accessory.

KEY FEATURES

- 12V / 24V Battery Compatibility with Auto Recognition
- Smart 4 Stage PWM charge controller: Bulk, Absorption, Float, and Equalization.
- 4 Battery Type Compatibility – Sealed/AGM, Gel, Flooded, and Lithium batteries (with Lithium Awakening feature)
- Watertight design with Backlit LCD display for system information and error codes.
- Multiple protection features for battery, controller, and solar panels (including reverse polarity and more)

Specifications

Electrical Parameters	VOYP10	VOYP20
System Voltage	12V/24V Auto	
Battery Rated Current	10A	20A
Max Battery Voltage	32V	
PV Input Voltage Range	15V – 55V VOC	
Max PV Input (Voc)	12V @ 25 VOC 24V @ 55VOC	
Max Power Input	12V @ 130W 24V @ 260W	12V @ 260W 24V @ 520W
Power Consumption	12V @ 0.22W 24V @ .72W	12V @ .24W 24V @ 74W
Battery Types	SLD/AGM, GEL, FLD, LI	
Electronic Protections	Reverse Battery polarity, Reverse PV polarity, PV Over-voltage, Battery over-voltage, PV over-current, Battery over-current, Controller over-temperature	
Grounding Type	Positive	
Controller Terminals	20-6 AWG, 2-pin terminals	
Temperature Compensation	-3mV/°C / 2V, excludes LI	
Operating Temperature	-31°F ~ 113°F	
Storage Temperature	-31°F ~ 167°F	
Operating / Storage Humidity	10% ~ 90%, No Condensation	
Protection Level	IP67	
Dimensions	6.08 x 3.83 x 1.40 in	
Weight	.55 lbs	

Electrical Parameters	GEL	SEALED	FLOODED	LITHIUM
High Voltage Disconnect	16 V	16 V	16 V	16 V
Charging Limit Voltage	15.5 V	15.5 V	15.5 V	15.5 V
Over Voltage Reconnect	15 V	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	14.2 V (User: 12.6-16 V)
Float Voltage	13.8 V	13.8 V	13.8 V	
Boost Return Voltage	13.2 V	13.2 V	13.2 V	13.2 V
Low Voltage Reconnect	12.6 V	12.6 V	12.6 V	12.6 V
Under Voltage Recover	12.2 V	12.2 V	12.2 V	12.2 V
Under Voltage Warning	12 V	12 V	12 V	12 V
Low Voltage Disconnect	11.1 V	11.1 V	11.1 V	11.1 V
Discharging Limit Voltage	10.8 V	10.8 V	10.8 V	10.8 V
Equalization Duration		2 Hours	2 Hours	
Boost Duration	2 Hours	2 Hours	2 Hours	