

Xantrex Alternator Regulator

xantrex

Regulates 12 volt P-Type Alternators



Designed for Mobile Power Applications

The Xantrex Alternator Regulator turns a high output alternator into an intelligent source of charging. Multistage regulation provides optimal charging voltage for common battery types including flooded, gel, AGM and Optima batteries.

With optional alternator and battery temperature sensors installed, the Xantrex Alternator Regulator protects against heat stress on the batteries and alternator, while maximizing charging performance. Start delay and soft ramp features reduce belt and engine wear, and the Amp Manager function adjusts the maximum alternator output.

Product Features

- ▶ Selectable charging programs for gel, AGM , and optima deep-cycle flooded batteries
- ▶ User programmable system time and voltage values
- ▶ Equalization mode
- ▶ Color coded LED display
- ▶ Industry standard wiring harness and detailed installation instructions
- ▶ Encapsulated for resistance to marine environment
- ▶ One year warranty

Programmable Advanced Functions

- ▶ Optional Battery Temperature Sensor regulates charging based on battery temperature
- ▶ Optional Alternator Temperature Sensor protects against alternator overheating

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Specifications

Output current	6 A
Available voltages	12 V and 24 V
Voltage regulation	+/-3%
Dimensions (H x W x D)	4.9 x 3.25 x 1.5"
Weight	1 lb
Warranty	One year
Part number	84-2006-01 (12 V alternator regulator) 84-2009-01 (24 V model available - see manual for specifications) 76-2006-01 (optional battery temperature sensor) 76-2006-02 (optional alternator temperature sensor) 84-6001-00 ("Zap stop" – high voltage spike suppressor for alternators)

Note: Specifications subject to change without notice.

Primary Program Settings	Prg-1	Prg-2	Prg-3	Prg-4	Prg-5
Mode	Universal Factory Program	Deep Cycle Flooded Lead Acid	Gell Cell	Absorbed Glass Mat (AGM)	Optima Sprial Wound
Start Delay (seconds)	45	45	45	45	45
Ramp Up (seconds)	60	60	60	60	60
Bulk Voltage (maximum)	14.1	14.6	14.1	14.4	14.6
Bulk Time (miminum)	36 min.	36 min.	36 min.	36 min.	36 min.
Absorption Voltage	13.9	14.4	13.9	14.4	14.6
Absorption Time (minimum)	0.2 hr.	0.2 hr	0.2-2.0 hr.	0.2-2.0 hr.	0.2-2.0 hr.
Float Voltage	13.4	13.4	13.7	13.4	13.4
Float Time (maximum)	6 hr.	6 hr.	6 hr.	6 hr.	6 hr.
High Voltage Alarm	15.2	15.6	15.1	15.4	15.6
Low Voltage Alarm	12.8	12.8	12.8	12.8	12.8
Max. Battery Temperature	125° F/52° C	125° F/52° C	125° F/52° C	125° F/52° C	125° F/52° C
Max. Alternator Temperature	225° F/107° C	225° F/107° C	225° F/107° C	225° F/107° C	225° F/107° C
Equalization	Yes	Yes	No	Consult Mfg.	Consult Mfg