



## BATTERY CHARGERS: TVR SERIES

Battery chargers are used to convert energy from an AC source into a DC level for storage in a rechargeable battery. Generally, the energy is alternating current from a commercial source or a generator. This energy is rectified to direct current at the proper voltage and fed into a battery. The chargers are constant voltage devices which regulate the current depending upon the state of charge of the battery.

As the battery discharges, more current is supplied to recharge it. Should AC power fail, the charger will not consume energy from the battery. This assures full standby service from the battery to the load. PMAPI chargers are solid state SCR regulated with no moving parts except meters. All components are conservatively rated and the entire charger is designed for use in the harsh maritime environment.

### Features

- Currently limiting transformer and input and output protective current interrupting devices
- Dual output unit senses both batteries and directs the majority of the charging current to the battery with the lowest charge
- All charges can be easily converted from 115 volt AC input to 240 volt AC input.
- Class 1 Div 2 Group C & D T6



## SPECIFICATIONS

**CORPORATE HEADQUARTERS  
& MANUFACTURING  
OPERATIONS**

**Houston, TX**  
Phone: +1-713-228-5208  
Fax: +1-713-228-3717  
sales@automaticpower.com

**U.S. LOCATIONS**

**PMAPI GULF OF MEXICO  
Gray, LA**

Rene "Boogie" LeBlanc  
Phone: +1-985-223-8700  
Fax: +1-985-223-8710  
rleblanc@automaticpower.com

**PMAPI WEST COAST  
Novato, CA**

Pete Dolan  
Phone: +1-415-382-6296  
Fax: +1-415-382-6299  
pdolan@automaticpower.com

**INTERNATIONAL LOCATIONS**

**AB PHAROS MARINE PTE LTD  
Singapore**

Phone: +65-6747-9325  
Fax: +65-6746-0478  
sales@pharos-api.com

**PHAROS MARINE LTD  
MANUFACTURING OPERATIONS  
London, UK**

Phone: +44-20-8538 1100  
Fax: +44-20-8577 4170  
sales@pharosmarine.com

**SIMS SYSTEMS LTD  
MANUFACTURING OPERATIONS  
Great Yarmouth, UK**

Phone: +44-1493 659271  
Fax: +44-1493 601882  
info@sims-systems.com

[www.automaticpower.com](http://www.automaticpower.com)

### TVR SERIES

Model	AC Input*	DC Output		Special Features	Weight
		Volts	Max. Amps		
TVR 1012 HA	120/240 VAC 50/60 Hz	12V	10	Single Output	46 lbs
TVR 0824 HA	120/240 VAC 50/60 Hz	24V	8	Single Output	48 lbs
TVR 1012D HA	120/240 VAC 50/60 Hz	12V	10	Dual Output	46 lbs
TVR 0824D HA	120/240 VAC 50/60 Hz	24V	8	Dual Output	48 lbs

NEMA 12 or NEMA 4X Enclosures available, specify on order.

\*Specify input voltage when ordering.

\*\*Specifications subject to change without notice

### Typical TVR Enclosure

