

PAC

Prestolite Advanced Charger



Prestolite PAC series is a microprocessor controlled battery charger for all types of batteries.

PAC800

- 12,24,36,48V models
- Single shift
- High power density
- Light weight 3.3 lbs.
- Built in PFC
- EMC EN55022B



Dimensions: 8-5/8"D x 4-3/8"W x 2-7/8"H

Light Duty Applications

Designed to charge batteries used in light industrial single shift applications that have 10-20 hours available for charging. Typical applications include walkie trucks, floor care equipment, aerial lifts, and other equipment using lead acid deep cycle batteries.

On-board Utility Applications

The PAC800 can be hardwired to the battery. The operator simply plugs the AC cord into the wall outlet and charging starts automatically.

Automatic Start/Stop

Simply connect the charger to the battery, or plug the charger into the wall outlet, and the charger does the rest.

Status at a Glance

A multicolored LED keeps the operator informed of charge progress.

Energy Efficient

The high frequency MOSFET circuitry lowers your operating costs as well as minimizes the size and weight of the charger.

Safety Features

The charge cycle will terminate if:

- The recharge AH 's exceeds the preprogrammed value
- The charging time for any charging phase exceeds a preset value.
- Voltage or current exceed a preset value.

The charger will temporarily interrupt the charge cycle or reduce the charging rate when internal charger temperature exceeds permitted values.

Regulation

The output is regulated to +/- .01% with AC input fluctuations of +/- 10%.

Warranty

The PAC800 is warranted to the original purchaser for one year from date of shipment.

Multiple Charge Curves

The PAC800 is preprogrammed with multiple charge profiles, which allows the charger to be set for a variety of battery sizes in both flooded and sealed construction.



PAP800

Shown with optional steel enclosure for mounting to battery cover. (Available in yellow or black) Equipped with 2 ft. DC cable and removable AC cord.

Mounted Dimensions:
11-3/16"D x 4-3/4"W x 3"H

Mounting studs welded on base.

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TECHNICAL DATA – PAC800

Input voltage	120 VAC nominal
Input current	(see table below)
Power factor	.99
Efficiency	>85%
Line regulation	0.01%
Load regulation	0.2V
Output ripple	<30mVrms
Status LED indication	red: too low or high battery yellow: charging green: full charge
Standards	UL & cUL 1564
EMC-Standard	EN55022B
Construction	IP20
Dimensions	8-5/8 x 4-3/8 x 2-7/8 inches 220 x 112 x 73 mm
Weight	3.3 lbs
Mounting	wall, bench, on-board w/mounting kit
Cooling	temperature controlled fan
Ambient temperature range	-25°C...+40°C full output power

Model	Output V	Output A	Input	AH Range
PAC800 12-30	12	30*	110V/5A	170-425
PAC800 24-30	24	30*	110V/9A	170-425
PAC800 36-20	36	20**	110V/9A	113-283
PAC800 48-15	48	15***	110V/9A	85-213

* Has 20A setting for 113-169 AH Deka Gel/Dominator

** Has 13.5A setting for 75-112 AH Deka Gel/Dominator

*** Has 10A setting for 57-84 AH Deka Gel/Dominator

Model	Approximate Charge Time In Hours/Battery Type and AH Capacity														
	Flooded Lead Acid AH								Sealed Lead Acid AH						
	85	170	225	255	300	340	375	425	90	150	180	225	300	375	420
PAC800 12-30	NA	10	12	13	14	15	17	18	NA	NA	12	14	16	19	20
PAC800 24-30	NA	10	12	13	14	15	17	18	NA	NA	12	14	16	19	20
PAC800 36-20	NA	13	15	17	NA	NA	NA	NA	NA	14	15	17	NA	NA	NA
PAC800 48-15	10	15	NA	NA	NA	NA	NA	NA	12	16	18	NA	NA	NA	NA



Profile selector switch located on front of charger

The PAC800 is preprogrammed with multiple charge profiles for both flooded and sealed lead acid batteries. A rotary switch accessible from the front of the charger allows for easy adjustment. See Owner's Manual for switch selection options.

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Data Sheet No.: 1601 Index: 02/08