

Big Power Little Box

+ The PAC charger offers big power in a small package for single shift charging, all from a standard 120VAC outlet

ECOTEC PAC

The PAC charger from Ecotec is a high frequency MOSFET design, providing you with a small lightweight charger that you can plug into any 120V wall outlet. Weighing between 3 and 8 pounds, the charger can be mounted practically anywhere.



➤ Applications
The PAC chargers can be used in a variety of light duty applications where you have 12 hours or more to charge the battery. Equipment such as pallet jacks, aerial work platforms, golf carts, personnel carriers, floor cleaning equipment, and more, can all be charged with the PAC. There is an optional protection package that allows the PAC charger to be mounted to the equipment.

+ PAC battery chargers use modern switching technology. The auto start/stop, intelligent micro controller extends the life of the battery by monitoring the charging process.

➤ Two Power Levels
The PAC chargers are available in two different power levels, 800W and 1300W. Each power level is available in 3 DC voltage ratings.

➤ Fan Cooled
With such a high power density, adequate cooling is essential to proper operation. The super quiet fan in the PAC charger operates at variable speeds depending on the load which minimizes ambient sound levels.

➤ Multiple Settings
Each charger can very easily be set for a variety of battery sizes and types by simply setting the trim screw on the front of the charger.

➤ PFC
The charger has a power factor correction circuit that ensures that the chargers is running at the highest power factor possible and provides the lowest input current.

➤ Small and Lightweight
The PAC 800 weighs in at 3.3 pounds and is 8.5"D x 4.25"W x 3"H
The PAC 1300 weighs in at 7.5 pounds and is 9.75"D x 6.5"W x 3"H

➤ Warranty
The PAC chargers are warranted for one year from the date of purchase.

Specifications

| | |
|-----------------|--|
| Power Factor | .99 |
| Efficiency | >.85% |
| Line Regulation | 0.01% |
| Load Regulation | 0.2V |
| Output ripple | <30mV rms |
| EMC-standard | EN55022B |
| Construction | IP20 |
| Weight | |
| PAC 800 | 3.3 lbs |
| PAC 1300 | 7.5 lbs |
| Dimensions | |
| PAC 800 | 8.50"D x 4.25"W x 3"H |
| PAC 1300 | 9.75"D x 6.50"W x 3"H |
| Cooling | temperature controlled fan |
| Mounting | wall, bench, on-board (with optional mounting kit) |
| Standards | UL and cUL 1564 |

| PAC 800 | Battery AH Capacity Range | Output Volts | Output Current | Input Amps at 120V |
|----------|---------------------------|--------------|----------------|--------------------|
| 12/30 | 170 - 425 | 12 | 30 | 5A |
| 24/30 | 170 - 425 | 24 | 30 | 9A |
| 36/20 | 115 - 285 | 36 | 20 | 9A |
| 48/15 | 85 - 215 | 48 | 15 | 9A |
| PAC 1300 | | | | |
| 24/50 | 285 - 700 | 24 | 50 | 12A |
| 36/33 | 185 - 465 | 36 | 33 | 12A |
| 48/25 | 140 - 355 | 48 | 25 | 12A |

Trim screw used to select appropriate charge algorithm



Tri-color LED indicates charging status
 Red – Fault condition
 Yellow – Charging
 Green – Full Charge

Momentary stop button to stop charger before disconnecting

| Model | Estimated time in hours to charge flooded lead acid batteries by AH capacity base on 80% discharge. | | | | | | | | | |
|------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 85 | 170 | 225 | 300 | 340 | 375 | 425 | 510 | 595 | 640 |
| 800 12/30 | - | 9 | 10 | 12 | 13 | 14 | 15 | - | - | - |
| 800 24/30 | - | 9 | 10 | 12 | 13 | 14 | 15 | - | - | - |
| 800 36/20 | - | 11 | 13 | 16 | - | - | - | - | - | - |
| 800 48/15 | 9 | 13 | 16 | - | - | - | - | - | - | - |
| 1300 25/50 | - | - | - | - | 9 | 10 | 11 | 12 | 13 | 14 |
| 1300 36/33 | - | - | 9 | 11 | 12 | 13 | 14 | - | - | - |
| 1300 48/25 | - | 9 | 11 | 14 | 15 | 16 | - | - | - | - |



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