

Reliable Reflash Power



MIDTRONICS

PSC SERIES Power Supply Chargers / Maintainers

PSC POWER SUPPLY CHARGERS provide a clean, reliable power supply for charging and maintaining battery state-of-charge during service reflash, complex maintenance, or on the showroom floor where vehicle demonstrations require significant power from the battery.

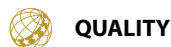
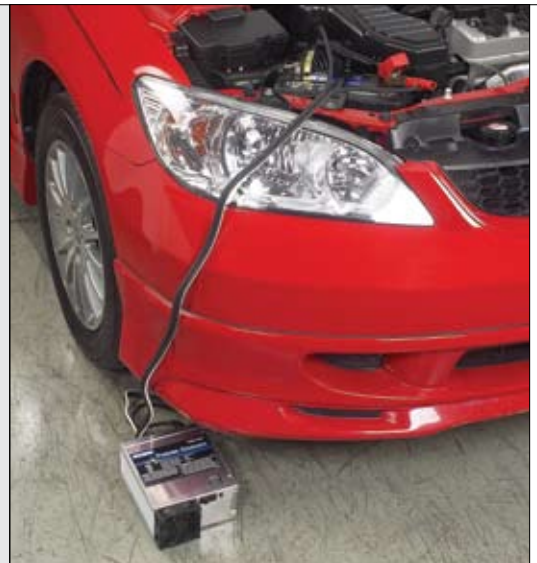
When operating as a power supply the PSC converts 120 volt AC line input into a virtually noise-free, nominal 13.4 volt DC output.

When operating as a battery charger the PSC delivers current up to the rated value for charging any 12 volt lead-acid battery when voltage is depressed due to a discharge event.

Once the battery is fully charged, PSC senses the battery condition and tapers current to operate as a regulated power supply to sustain any accessory loads or offset any parasitic drain.

Features:

- Advanced switch-mode design
- Provides a cleaner, more reliable power source than using a standard charge
- Fully-regulated DC output prevents overcharging of the battery and provides precise control to maintain the necessary battery voltage during complex service and reflash
- Multiple protection features for a long, trouble-free life:
 - Reverse battery polarity protection via replaceable fuses
 - Brownout input protection
 - Over-current protection; cycle-by-cycle peak limiting and rated current-limiting to maximize the life of the converter
 - Over-temperature protection
- Quiet, small, and compact for portability
- Commercial design and heavy-duty internal components ensure years of continuous use
- Unique proportional fan control circuit
- Sets the fan speed directly proportional to the converter's internal ambient temperature
- Enables the fan to turn on and off very slowly, minimizing unwanted fan-starting noise
- High quality, detachable cables for easy field service
- Optional protective carrying case for storage or during use



Specifications:

- Output voltage tolerance (no load) + or - .7%
- Output voltage (full load) approx. 13.4 V (DC)
- Ripple and noise <50 mV rms
- Typical efficiency >100%
- Line regulation 100 mV rms
- Load regulation <1%
- Thermal protection
- Working temperature range 0-40°C



PSC-550S KIT—includes the case for storage or for use under the vehicle in the showroom.

PSC POWER SUPPLY CHARGERS	PSC-150	PSC-300 S	PSC-550 S
Power Supply Voltage Regulation	13.4 V	13.4 V	13.4 V
Maximum Amps Output at Regulated Voltage	15 A	30 A	55 A
On/Off Switch		Yes, with Power LED indicator	Yes, with Power LED indicator
Fuse Protection	External	Internal Breaker	Internal Breaker
3-Stage Charge Controller	Yes	Yes	Yes
Removable Cable Set	Clamps and Installable Ring Terminals	6' Clamp Set	6' Clamp Set
Soft Protective Carrying Case	Optional	Optional	Optional



PSC-550S

PSC-300 S KIT—case allows for easy portability and prevents scratching the customer vehicle during use



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