

THE 3-STAGE "PLUS" PROFESSIONAL SERIES

No more guessing, no more uncertainty. **NOW YOU'LL KNOW!** Only the *Interacter* Professional Series automatically interacts with the battery to provide exactly the right amount of charge. *Interacter* charging technology eliminates undercharging, overcharging or damage to the battery and is completely safe.

The *Interacter* PS can be used to recharge virtually any type lead-acid battery including conventional liquid electrolyte, maintenance-free absorbed electrolyte, deep-cycle, and gelled type batteries.

Your Introduction to Interacter Technology

Interacter's microprocessor circuitry with patented program in EPROM, controls four separate charging stages.

FIRST: A constant current bulk charge is applied to achieve the fastest possible return of energy to the battery.

SECOND: This constant voltage stage is proportionally timed and temperature compensated, minimizing electrolyte breakdown and gas emission.

THIRD: The final standby float charge stage will replace standing losses and keep the battery in a fully charged state & "Ready".

PLUS: As soon as the battery is connected, a desulfation circuit encourages the breakdown of large sulfate crystals which can develop during prolonged periods of deep discharge.

DIGITAL MICROPROCESSOR CONTROL



BUILT-IN ADDITIONAL FEATURES

- A Low Voltage start circuit which will recharge OVERDISCHARGED batteries from as low as 400 millivolts.
- Incorporated in the PS is a sample and hold circuit which eliminates voltage sensing errors and prevents parasitic discharge during A.C. power loss.
- Electronic short circuit and reverse polarity shutdown, without blowing fuses, an exceptional safety feature.
- The built in electronic timer monitors the time taken from start of charge until the battery voltage reaches the first preset Voltage limit. The time duration for the second stage is automatically calculated in proportion to the time taken for the first stage. This feature is specifically designed to optimize charging on a wide range of battery types, ages and sizes.
- A customer preferred L.E.D. Amp gauge indicates the current output without fragile moving meters or energy loss. A green ready indicator shows positively that the battery is ready for use or will flash if there is an override timeout.

PROFESSIONAL SERIES Charger Specifications 3-STAGE "PLUS" with Battery "Type" switch

Model	DC Output Amps	DC Output Volts	AC Input Amps	AC Input Volts	AC Input Frequency	Length In. (mm)	Width In. (mm)	Height In. (mm)	Weight Lbs. (kg)
PS 12/5	5	12	1	117 (*)	60Hz	6.0 (152.4)	6.5 (165.1)	5.25 (133.3)	7.1 (3.21)
PS 12/10	10	12	2	117 (*)	60Hz	6.0 (152.4)	6.5 (165.1)	5.25 (133.3)	9.5 (4.3)
PS 24/5	5	24	2	117 (*)	60Hz	6.0 (152.4)	6.5 (165.1)	5.25 (133.3)	12.6 (5.7)
PS 24/8	8	24	3	117 (*)	60Hz	6.0 (152.4)	6.5 (165.1)	5.25 (133.3)	15.2 (6.88)

* INTERNATIONAL VOLTAGES AVAILABLE
U.S. Patent No. 4,843,299 & 5,049,804

CONFORMS TO U.L. 1236, E.T.L., C.S.A.

MADE IN U.S.A.