UNIVERSAL BATTERY CORPORATION

Dual-voltage, Regulated, Sealed Lead-Acid Battery Chargers

6BC0500D-1

UBC's top-of-the-line chargers are designed to maintain maximum performance from your batteries. These chargers feature dual-voltage output, and regulated current control to insure that no damage occurs during charging or while the battery remains on the charger. The charger is provided with screw-terminal outputs, allowing the user to attach any type of output cable they desire. Cables with various connectors can be supplied by UBC at extra cost.

The 6BC0500D-1 charger begins its charge cycle on "fast-charge", providing the battery with constant voltage of 7.5VDC, and regulated current of 500mA. This charge cycle is indicated by the red LED. As the charging cycle progresses, the terminal voltage of the battery will rise to an eventual 7.5VDC. At this point, the charger senses this voltage, and the fast-charge circuit cuts-off, also turning off the red LED. The "float-charge" circuit then comes on along with the green LED, providing the battery with a constant voltage of 6.9VDC. This voltage can be left on the battery indefinitely without damage, and keeps the battery fully charged, ready for use at all times.

PRIMARY	Voltage		120VAC, 60Hz, +/- 15V
	Exciting Current		45mA
	Rated Input Power		8 VA
	DC Resistance		113 ohms +/- 10%
OUTPUT:		Float	Fast-Charge
	Voltage	6.8V-6.9Vdc	7.3V-7.5Vdc
	Current	30mA	550mA Max.
INSULATION RESISTANCE	Primary-Secondary		100M ohm @ 500Vdc
	Primary-Core		100M ohm @ 500Vdc
DIELECTRIC STRENGTH	Primary-Secondary		1500Vac for 1 min.
	Primary-Core		1500Vac for 1 min.
	Secondary-Core		1500Vac for 1 min.
TEMPERATURE RISE	Max. 75 Degree C @ rated load		

GREEN LED "on": Power is on to the charger
RED LED "on": Charger is in "FAST CHARGE" mode.
GREEN LED "on": Battery is charged for use, and the "float" charge is operating.