

*Patent pending

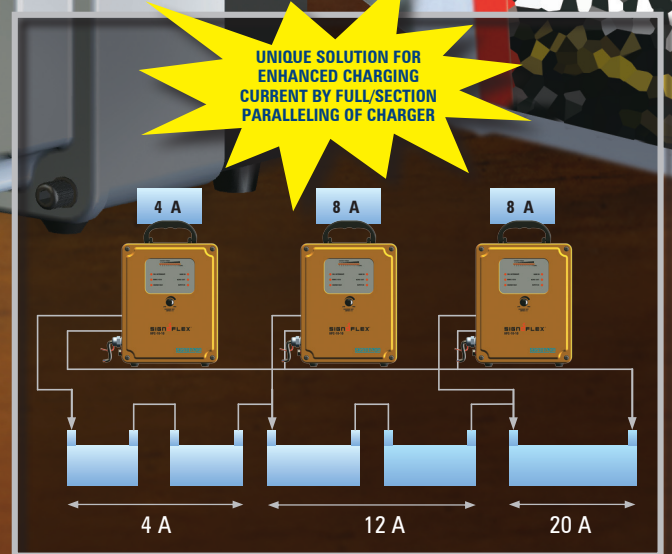
SIGNOTRON

SIGNOFLEX[®]

Universal Battery Charger



24
MONTHS
WARRANTY



Signoflex (HFC 10-10) is an intelligent software based battery charger developed with most advanced high frequency SMPS technology. It's a user friendly Lead Acid battery charger that is capable to charge from single 12V battery to 10 batteries simultaneously. The ultra low ripple DC output of the charger ensures proper formation of the plates of the batteries in minimum time.

The small, lightweight and portable product is brought by Signotron, a professional electronics equipment manufacturer established in 1985 by a group of technical entrepreneurs. Signotron has its wide range of activities in the field of digital hardware, power electronics, embedded controls, industrial control and software.

With widest range of input, Signoflex can deliver constant output current at selected level that ensures proper charging of Lead Acid battery and increases the life of the battery. The intelligent software of the product minimizes manual operations and thus, in a big way, prevents the human error hazards.

There is no electrical shock hazard at the battery end. Signoflex provides total battery protection against output overvoltage due to device failure. Highest level of protections in this category of products ensures safe & trouble free service for the charger for years.

FEATURES

- Complies to IEC 60529
- Very high efficiency (> 90% at full load)
- Cool MOS and TIGD used for high Efficiency and reliability
- Compact and lightweight design allows portability
- Ground isolation between input & output for safety & protection at DC side
- Constant Current Output even with wide variation in Input
- Short circuit & Reverse Battery protected Electronically
- Highest protection level against Dust Water through IP 65 to match Indian environment
- Over temperature protection for electronics devices
- Expected life 10 years plus

TECHNICAL SPECIFICATION

Product		Signoflex Lead Acid Battery Charger
Model		Signoflex (HFC 10-10)
Technology		State of Art SMPS based technology
Input	AC Voltage	160V ~ 265 V Single Phase (2 wire + Earth)
	Frequency	50 Hz \pm 10%
Output	Charging Mode	Constant Current (CC)
	DC Voltage	Self selected. Over-charge termination at 165V
	Charging Current	1 – 10 AMPS Manually Adjustable
	Output Voltage Ripple	<3% without Battery
	Efficiency	>90% (At Full Load)
Battery Selection		1-10 Nos. 12V Lead Acid Battery having capacity from 20AH to 200AH. To be connected in series. For mixed capacity batch, suitable current to match the lower capacity battery should be selected For higher capacity batteries, up to 10 strings paralleling of the Signoflex Charger is permitted to enhance the charging current up to 100A
Indication & Protections	Mains On	Mains Supply available
	Chg on/Terminate	Charging in process. Termination at 165V
	Mains U-V/O-V	Mains Under or Over Voltage
	No/Rev Bat	Battery Not Connected / Battery Reverse Connected
	Output S/C	Output Short Circuited, Charger Shut Down
	Charger fault	Internal hardware failure
	Charging Current	LED Bar Graph for easy understanding
Cooling		Natural Air Cooling
Temperature		0 – 55° C
Humidity		0-95% RH (Non-condensing)
Enclosure Protection Level		IP 65
Dimensions (H x W x D)		370 x 270 x 213 (in mm) \pm 3 mm
Weight		15Kgs \pm 5%
Colour		Industry Safe Colours: Bright Yellow / Grey

