

# Automatic Battery Charger Series - PABC

**POWERHOUSE**<sup>®</sup>

## Function:

Reliable Charger is a must for dedicated back up supply source for industrial control devices, starting of DG Sets. Series PABC chargers are having IC Controlled voltage monitoring circuitry for constant check on battery voltage and automatic selection of mode of charging. Till battery is fully charged, it is under BOOST mode ensuring quick charging. When battery reaches pre-set voltage, it is shifted to TRICKLE mode. It has heavy duty-double wound transformer, Full wave bridge rectifier, over load control, Protection against Battery reverse connection.



## Application:

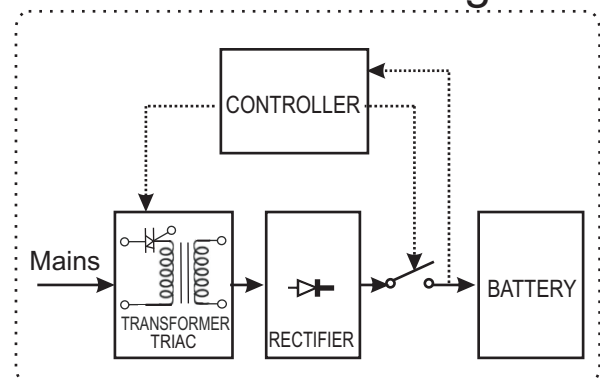
Battery Charging for dedicated systems.

**Auto Trickle / Boost selection**  
**Over current protection**  
**Battery Reverse Protection**  
**Heavy duty transformer**  
**Bridge Rectifier.**

## Specifications:

Mains Supply	: 230 V AC +/- 10 % 50 Hz.
Battery Volts	: 12, 24, 30, 36, 48 V.
Battery AH	: 100-400 AH
Charging Current	: 10, 15, 20, 25, 30, 50 A.
Transformer	: Copper Double wound- Heavy duty
Rectifier	: Full wave Bridge
Mode selection	: Automatic Boost / Trickle
Protection	: Charger a) Mains incoming fuse b) Out put fuse c) Over Load d) Battery Reverse Connection
Battery	: a) Over Charging c) Controlled charging rate
Instruments	: Amps meter for Charging rate : Volt meter for battery/ charger voltage
LED Indications	: a) Mains b) Boost c) Trickle d) Over Load e) Battery Reverse
Terminals	: Input supply by 3 pin Main cord : Out put by heavy duty terminals.
Enclosure	: Heavy duty Sheet Steel enclosure finished with Powder coated.

## Block Diagram:



## Selection Chart

Battery Volt	Charging Current	Battery A.H.
12-24-30-36-48	10	100
	15	150
	20	200
24, 48	25	200
24, 48	30	200
24	50	400

Model No. **PABC** **XX** **XX**  
 ↳ Charging Current  
 ↳ Battery Voltage.



**POWER SERVICES**

Innovative Power Solutions

33, Phears Lane, Kolkata -700 073 Ph. +91 (033) 2237-0508  
 Fax : +91 (033) 25210322 Email: info@indiapowerhouse.net

Visit us at [www.indiapowerhouse.com](http://www.indiapowerhouse.com)