

DC Power House

PowerCom**Industrial Battery Charger**

PCM-BC Series Battery Charger

12VDC	} 10-200 AMPS
24 VDC	
48 VDC	
60 VDC	
72 VDC	
110 VDC	
220VDC	

**Technical Features**

- Battery Type Selection (Dry Type, Wet Type, Gel/AGM Type, NiCad Type)
- Easy Installation
- Long Life Span
- Esthetical View
- Automatically Turn on When Electricity Break Occurs
- Low Maintenance Necessity
- High Efficiency
- Easy to Find Space Parts
- Silent Operation
- Charge Type Selection
- Direct Current Feeding Mode, Quick Charge –Float charge, Boost Charge (Classical Battery Charge Mode)
- Battery Charger Failure and Status Info Onto Output
- Remote Control Unit
- Program Update with Annunciator.
- Can be Used as a Battery Charger and direct Current Power Supply by using Semiconductor Dropper
- Energy Saving System
- Different Line Voltage Selection
- Environmental design Optional Parameters
- Over Discharge Protection
- Sound Alerts When a failure Occurs
- Wide input Voltage Range
- Automatically Shut Down When Operation Ends
- Battery Temp. Measurement
- External Analogue Start input
- PC Connection
- Communication and Control with PC, PLC or Other Equipment via Serial Port (Optional).

Applications

- Railway, Power Station, Auto Station, Battery Production Unit etc.

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Technical Specifications

Line Input	
Input Voltage	220/230 VAC -380 VAC/400VAC
Voltage Tolerance	-5% +10% (±20% Optional),Wide range Coverage for customization
Frequency	50 Hz ± 5% (60Hz ± 5% Optional)
Protection	Thermal -Magnetic & Automatic Fuse
Power Factor	<0.8
Rectifier Output	
Output Voltage	12VDC/ 24 VDC/48 VDC/110 VDC/220VDC
Charge Voltage Adjustment	±20% Digitally Adjustable
Quick Charge Voltage	Digitally Adjustable Between 100% -120% of Nominal Charge Voltage
Static Tolerance	1%
Output Current Adjustment	0-100% Digitally Adjustable
Output Fluctuation	Less than 5% of Output Voltage (RMS AC) (1% Optional)
Output Protection	Short Circuit /Overvoltage Protection/Reverse Voltage Protection
Control Panel	
Measurements	LCD Screen/Digital Meter (Current /Voltage) , Annunciator etc.
LED Alerts	Quick Charge, Normal Charge, Current Control, Voltage Control, Charger on
Charge Method	Quick/ Float Charge, 3 Step Charge, Charge Programmable at 10 Steps
Feeding Source	0-100 Adjustable Voltage and Current Control
Emergency Stop Button	Provided on demand
General	
Quick Charge Duration	Digitally adjustable between 0-600 min. per 1 min. Sensibility
Cooling	With internal blower
Isolation Voltage	3750 VAC Output - Chassis
Efficiency	>80% (Full Load)
Input/output Connection	Screwed Rail Type Input – Output (Terminal) Blocks
Circuit Breakers	2 PCS 2 Poled Thermal and Magnetic W-Automatic Fuse for input and Battery (Load Fuse Optional)
Working Principle	Phase angle controlled tryhstor module Charger/Servo Mechanism
Protection Level /Color	IP20 (IP 32 Optional) RAL 7001-RAL7032
Alert Contacts	
Sound Warning	>>Beep<<Alert per 2 Seconds in case of Failure
Charger Failure	LED warning and alert contact changes position in Case of DC High / Low, Output Failure, Overheat, No Line, Output Short circuit (Optional)
DC Leakage/Earth Fault	LED Warning and Alert Contact Changes Position in case of DC Leakage to Ground line at the (+) (-) Output Edges (Optional)
Battery Low	Following to Line Voltage break, at the end of time varying upon Battery group and load, alert contact changes its position when the batteries reach the critical discharge levels (Optional)
Environmental Parameters	
Operation Temperature	-10C/50C
Relative Humidity	<90%
Acoustic Level	<60dB (1m)
Working Height	<2000m
Electrical Standards	EN 62040-1-1(Security)
Mechanical Measurement	
Weight(Kg)	Customized
Dimension(mm X mm X mm)	L () X W() X H () Customized

Model Selection : PCM-BC110V100A3P

Series : PCM-BC

Output Capacity : 110V,100A

Input Phase : 3

Power Control & Management

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