



## Highlights

- Compact Size
- High Efficiency
- Current and Voltage Controlled
- Smart Charging System
- Microprocessor Control
- LED Indicators
- Automatic Shutdown
- Sturdy Construction
- Quiet Operation
- All Type of Batteries (Dry, Wet, Gel)
- Automatic Start-Up After Power Cut
- Remote Monitoring
- Battery Discharge and Test Unit
- Overload Protection
- Manual Current and Voltage Control
- 2 Years Warranty

## Hyperion Forklift Battery Charger 15 - 160 Amp Technical Specifications

GENERAL		
Phase	Single-Phase	Three-Phase
Technology	Smart Charger	
Control	Wo-Wa Current and Voltage Controlled	
INPUT		
AC Voltage	220/230/240 Vac (or 110/120/127 Vac)	380/400/415 Vac (or 208/480/600 Vac)
Voltage Tolerance	±10%	
Frequency	50 Hz / 60 Hz ±10%	
Power Factor	>0.86	>0.96
Areas of Use	Warehouses, Forklift Maintenance, Battery Factories, Industrial Areas, Airports	
Input Protection	MCB, Overload Protection, Soft Start	
OUTPUT		
DC Voltage	12 / 24 / 36 / 48 / 80 Vdc	
Output Accuracy	±1%	
Current Adjustment	0 - 100% Digitally Adjustable (Optional)	
Voltage Adjustment	0 - 100% Digitally Adjustable (Optional)	
Mains Selection	Can Select Different Mains Voltage	
Charging Protocol	Constant Current and Voltage	
Control Type	Thyristor and Diode Group	
Voltage Ripple	≤ 1% RMS	
Accessories	AC Input Cable, AC Input Plug, DC Output Cable, Battery Connection Socket	
Functions	Availability to Monitor Actual Parameters During Charging with LED Indicator	
Winding Material	Pure Copper	
Overload Operation	100% - 125% load: 3 min	
Output Protection	Electronic Overcurrent Protection, Short Circuit Protection	
Efficiency	>92% at Full Load	
CONTROL PANEL		
Display	2x16 LCD, LED Indicators	
Displayed Parameters	Battery not Installed, Rectifier Failure, End of Process, Charging, Battery Full	
Displayed Units (Optional)	AC/DC Voltage, Frequency, Input/Output Current, Battery Voltage/Current Operation Time (S:M:H), Alarms	
End of Charging	Automatic Shutdown at the End of Process	
SAFETY and STANDARDS		
Over Voltage	IEEE 587 4500 A	
Interference Reduction	Class B	
Standards	IEC 62040-1-2-3, EN 50091-1 (Security), EN 50091-2 (EMC), ISO 9001, CE	
ENVIRONMENT		
Heat and Humidity	-10 C° / + 60 C°, 0 - 90% (non-condensing)	
Noise Level	Less than 55 dB	
Cooling	Natural Air Cooling	

## General Features

Hyperion series Forklift Battery Charging Rectifiers are designed for charging high capacity batteries used in forklifts, construction equipments etc. Device performs charging with the highest yield due to its being microprocessor controlled. Charging starts automatically as soon as battery is connected and is turned off automatically as the process is completed.

Real time information and warnings at the time of charging can be monitored easily thanks to LED indicator screen comes standard with the charger.