



# Battery Charger

5-700 A

- Microprocessor controlled Thyristor Technology
- Built in input transformer topology
- Fully Adjustable float, boost and equalizing charge modes with V/I characteristics
- Advanced technology for phase control
- Very low voltage ripple and extended battery life
- High efficiency and low operation cost
- Ability to operate as voltage or current source
- Wide range of options for monitoring
- Improved environmental operation characteristics
- Remote monitoring via RS232 communication port
- Potential free alarm contacts on extended alarm board
- Internal Over Temperature protection
- User Friendly Control Panel



## TECHNICAL SPECIFICATIONS

DC Voltage	24VDC	48VDC	110VDC	220VDC
<b>INPUT</b>				
Input Phase	1Phase/3Phase			
Nominal Voltage Range	1x220V or 1x230V / 3x380V or 3x400V ± 15 % - 2 / 4 wire			
Frequency Range	47-63Hz			
<b>OUTPUT</b>				
Nominal Voltage	24VDC	48VDC	110VDC	220VDC
1Ph Nominal current	60A	15A/30A/40A/60A	5A/20A/30A/40A/60A/80A/100A/120A/150A	15A/30A/40A/60A
3Ph Nonimal current	30A/60A/100A/150A/200A/250A/400A	10A/30A/60A/100A/150A/200A/250A	30A/60A/100A/150A/ 200A/250A/300A/400A/500A/700A	30A/60A/100A/150A/200A/250A/300A/400A/500A/700A
Max Output Current	110% of nominal			
Float Charge Adjustment Range	80% - 115% of the nominal output voltage			
Boost Charge Voltage	80% - 125% of the nominal output voltage			
Equalizing Charge Adjustment Range	80% - 125% of the nominal output voltage			
Current Limit Adjustment Range	25% - 100% of the nominal output voltage			
Voltage Ripple	< 1% (with or without battery)			
Voltage Regulation	< 1% (10% to 100% load)			
Efficiency	87%	89%	91%	93%
<b>DISPLAY</b>				
LCD Display Panel	Voltage, Current, Charge and Status Informations			
LED Display Panel	Line, Operation, Fault Indications			
<b>GENERAL</b>				
Charger Mode	Automatic / Manual U-I Characteristic			
Charger Type	Float / Boost / Equalizing Charge			
Cooling	Forced Cooling with Thermic Controlled Fan			
Input/Output Connections	Terminals			
Fuses	Semiconductor Type			
<b>ENVIRONMENT</b>				
Operating Temperature	-5 - +50 °C			
Relative Humidity	0% - 95%			
Protection Class	IP 20 (Higher IP Class is optional)			
<b>STANDARDS</b>				
Standards	89/336/EEC (EMC); 62040-1, 62040-2, 62040-3, IEC 950, IEC 439, IEC 146			
<b>OPTIONS</b>				
Dry Contact Card	4pcs contact alarms / normally(closed/open /Modbus)			
Parallel Connection	Available			
Others	Earth Leakage Monitoring, Dc Supply & Battery Monitoring, Gauges, Load Voltage Limitation Module / Voltage Drop, Battery Charge Temperature Compensation, IP Protection, Touch panel, LVD, Fan failure monitoring, AC Input Power measurement, Active parallel current sharing			