

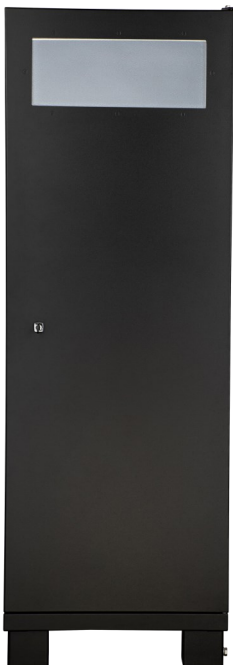
C Series

Battery Charger 50-1100A

The C Series is designed for industrial applications.

Designed and made in Australia, the transformer and IGBT based technology makes it the most rugged and reliable AC to DC rectification available. Together with the microprocessor controlled, system this helps to ensure a 25 year design life.

The C series utilises switch mode technology in units up to 200A output. For units 20kW and greater SCR technology is utilised in 6 pulse or 12 pulse rectification making it highly reliable for use in most industrial applications.



Key features and benefits

- Australian made and designed for robust conditions
- Great reliability and performance
- Complies with Australia standards
- Intelligent remote alarms
- Maintenance free
- Output isolation transformer

Technical Specification

RATING		50A ~ 1100A
INPUT VOLTAGE AC		
Input Voltage	415V / 240V, 3 Phase 4 Wire	
Input Range	+ / - 10%	
Input Frequency	50 / 60 Hz + / - 5%	
Rectifier Type	Fully Controlled 6 Pulse Rectifier (12 Pulse Optional)	
Protection	Phase Rotation, Thermal Magnetic Circuit Breaker & Soft Start	
Battery Types	Design Solution for Sealed, Vented Lead-Acid Batteries & Nickel Cadmium Cells	
OUTPUT DC		
Rating	50A ~ 1100A (As Requested)	
Output Voltage	48V / 110V / 240V / 690V DC	
Float Voltage	2.23V / Cell x No. Of Cells Adjustable 2.2 ~ 2.25V / Cell	
Equalize Voltage	2.33V / Cell x No. Of Cells Adjustable 2.3 ~ 2.4V / Cell	
Voltage Regulation	+ / - 1%	
Voltage Ripple	2% RMS	
Power Factor	0.8	
Equalize Timer	0 ~ 24 Hours Adjustable	
Walk In Time	25 Seconds	
Overload	125%	15 Minutes
	150%	Shut Down
Efficiency (100% Load)	>92% at Full Load	
CONTROL PANEL		
Display	LCD Provides Status By Two Line 40 Character Alphanumerical Display	
OVERALL CHARACTERISTICS		
Height x Width x Depth (mm)	Varies depending on unit required	
Weight (Kg)	100kg ~ 2000Kg	
Audible Noise	< 58 dBA (at 1 Meter)	
Temperature	0 - 40°C	
Humidity	0 – 90% (Non-Condensing)	
Altitude	<1600 m="" above="" sea="" level="" font="">	
Protection	DC Filter (Inductor + Capacitor) Blocking Diode, Under/Over Voltage, Overload, Output Circuit Breaker, Over Temperature, Internal Malfunction, etc	
Design	Microprocessor Controlled with Current Limiting & Adjustable Equalize Function	
MTBF	30,000 Hours	
Cable Entry	Top or Bottom	
Cubicle	Free Standing, Powder Coated	
LED,LCD,Buzzer	Yes	
Remote Control / Communication Interface	Voltage Free Dry Contacts, RS232	

. Different specifications required are available.