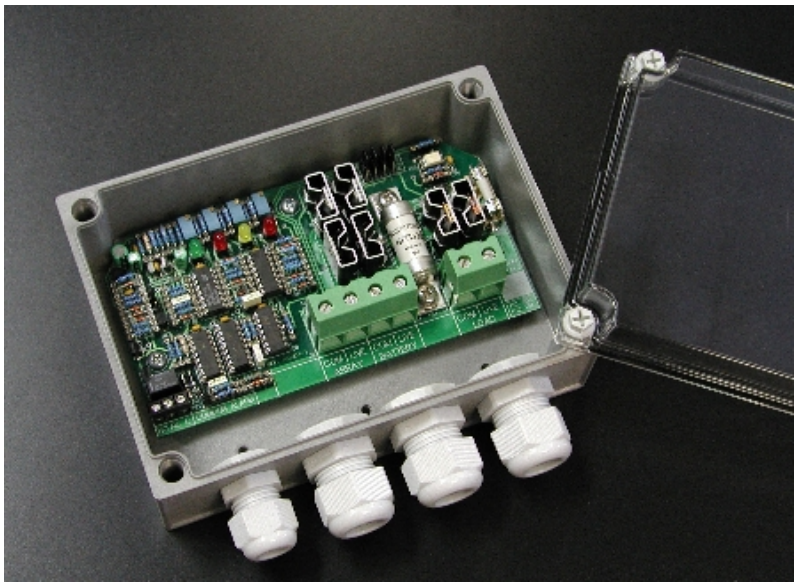
Data Sheet MCC-155 Charge Controller



Main Features

- Industrial Applications
- 15A Array Current
- 5A Load Current
- Solid-state Switching
- Polycarbonate Enclosure
- Low Cost Unit
- Analogue Electronics

Specification

- System Voltages: 12V, 24V, 48V
- System Polarity: Positive or Negative Earth
- Regulation: Three stage series regulation
- High Volts, Low Volts & Load Cut Alarm
- Battery Protection: Load Disconnect / Reconnect
- Temperature Compensation (Internal to unit)
- Charging, High Volts, Low Volts, Load Cut LED's
- Disable Link (disconnects array and load)
- 20A Battery Fuse, 10A Load Fuse
- $10mm^2$ PCB Terminals (Alarm: $2.5mm^2$)
- Induced Lightning Protection
- IP65 Polycarbonate Enclosure (175 x 125 x 75mm)
- Grey or Transparent Enclosure Lid
- PG16 Glands for Battery, Array and Load cables (10-14mm² cable diameter)
- PG11 Gland for Alarm cable (5-10mm² cable diameter)
- Ambient Temperature range -10ºC to +55ºC

Set-points

Charge Controller Set-points	Unit	Fulmen	Vented	VRLA
Boost & Equalisation Regulation Voltage	(per cell)	2.45 V	2.40 V	2.30 V
Float Regulation Voltage	(per cell)	2.30 V	2.35 V	2.25 V
High Volts Alarm	(per cell)	2.50 V	2.45 V	2.40 V
Low Volts Alarm	(per cell)	1.95 V	1.90 V	1.90 V
Load Cut Alarm and Disconnect	(per cell)	1.90 V	1.80 V	1.80 V
Temperature Compensation Null Temp	ºC	20ºC	25ºC	25ºC
Temperature Compensation Rate	(per cell)	-5.0mV/ºC	-5.5mV/ºC	-3.3mV/ºC

Ordering

Product	System Voltage	System Polarity	Enclosure Lid	Battery Type
MCC-155	12V	PE (Positive Earth / Positive Common)	(G) – Grey Lid	Fulmen Cells
	24V	NE (Negative Earth / Negative Common)	(T) – Transparent Lid	Vented Cells
	48V			VRLA Cells

Example: MCC-155 12V PE (G) Fulmen Cells