

**Main Features**

- Industrial Applications
- 5A Array Current
- 1A Load Current
- Solid-state Switching
- Polycarbonate Enclosure
- Low Cost Unit
- Analogue Electronics

**Specification**

- |   |  |
|---|--|
| ➤ System Voltages: 12V, 24V, 48V                  | ➤ 2.5mm <sup>2</sup> PCB Terminals   |
| ➤ System Polarity: Positive or Negative Earth     | ➤ Induced Lightning Protection   |
| ➤ Regulation: Single stage series regulation      | ➤ IP65 Polycarbonate Enclosure (125 x 125 x 75mm)                          |
| ➤ Battery Protection: Load Disconnect / Reconnect | ➤ Grey or Transparent Enclosure Lid  |
| ➤ Temperature Compensation (Internal to unit)     | ➤ PG13.5 Glands for Battery, Array and Load cables (6-12mm cable diameter) |
| ➤ Charging LED, Load Connected LED                | ➤ Ambient Temperature range -10°C to +55°C                                 |
| ➤ Disable Link (disconnects array and load)       |  |
| ➤ 10A Battery Fuse, 2A Load Fuse                  |  |

**Set-points**

Charge Controller Set-points	Unit	Fulmen	Vented	VRLA
Regulation Voltage	(per cell)	2.35 V	2.40 V	2.30 V
Load Disconnect	(per cell)	1.90 V	1.80 V	1.80 V
Load Reconnect	(per cell)	2.15 V	2.00 V	2.00 V
Temperature Compensation Null Temp	°C	20°C	25°C	25°C
Temperature Compensation Rate	(per cell)	-5.0mV/°C	-5.5mV/°C	-3.3mV/°C

**Ordering**

Product	System Voltage	System Polarity	Enclosure Lid	Battery Type
MCC-51	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-51 12V PE (G) Fulmen Cells**