



Data Sheet: SP-CC-51 Charge Controller

Product Overview

The SP-CC-51 range of solar system charge controllers is designed for low cost and industrial applications where a robust solid state solution is required. The SP-CC-51 will control a solar system up to a maximum array current of 5A and a maximum load current of 1A. The controllers are available in positive earth and negative earth configurations and are suitable for 12, 24 and 48V operation. The polarity and system voltage are pre-configured during manufacture and cannot be changed in the field.



Product Features

- System voltages: 12V, 24V, 48V;
- System configuration: Positive or Negative Earth (PE or NE);
- Battery types: vented or VRLA cells;
- Single array input with maximum 5A charging current;
- Single regulation point is factory set to customer value;
- Single load output with maximum 1A load current;
- Temperature compensation by a sensor mounted on the controller PCB;
- Charging LED - yellow LED illuminates to indicate charging;
- Load connected LED - green LED illuminates to indicate the load is connected;
- Disable link allows the user to disconnect the load and the array (insert link to disable);
- Solid state switching of array and load current;
- Battery and Load fuses for over current protection;
- Metal oxide varistors for protection against lightning induced surges;
- IP65 Polycarbonate enclosure 125mm high x 125mm wide x 75mm deep;
- Three glands provided for battery, array and load cables;
- Battery, array and load connections by PCB terminals suitable for CSA 2.5mm² wire;
- Ambient temperature range of -10°C to +50°C (it should not be mounted in direct sunlight);
- The PCB assembly is sprayed with PCB coating designed to protect against humidity and environmental attack.

Client Ref	SPK Quote	Document Ref	Date	Sheet
		503164-20-R01 CCU SP-CC-51 Data Sheet.doc	2003-10-03	1 of 1