



METRO

Solar CHARGE CONTROLLER

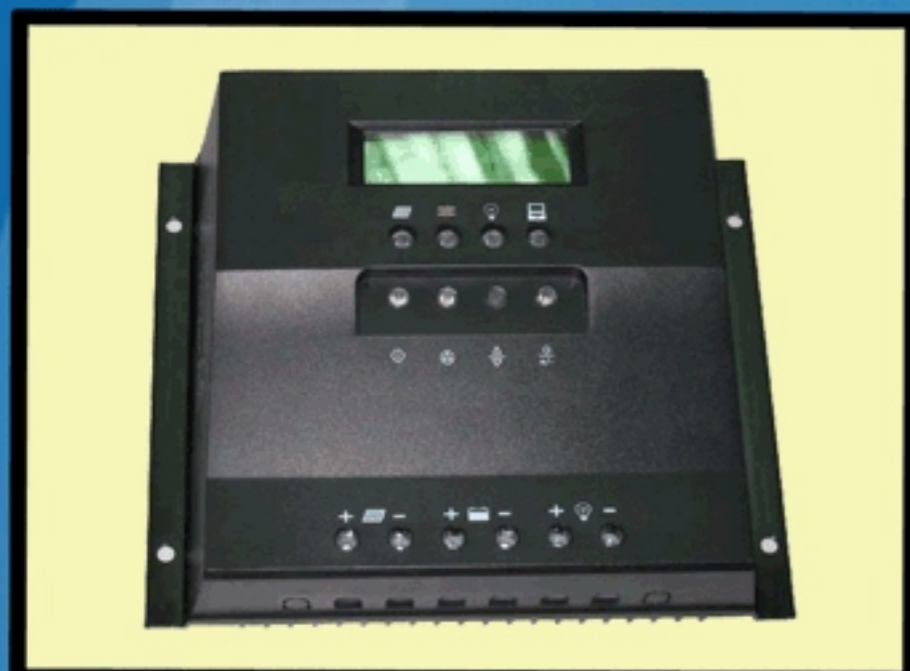
SALIENT FEATURES



- › Intelligent Microcontroller Based Control. Temperature compensated set points and auto/manual equalization.
- › User selectable 12V or 24V or 48V configuration.
- › Test point allows precise adjustment of settings.
- › Electronic over current protection.
- › Communication interface with PC or LCD module for data logging or parameter display.

WEB BASED MONITORING SYSTEM

Sun Soft Power Manager Software : Key Features



- › Displays Solar PV Voltage, Battery voltage, Charging Current, Ah input into the battery w.r.t. Time, Battery Status, Charging mode, System temperature, Fan status etc.
- › Digital & Graphical representation of parameters.
- › SMS & e-mail alerts.

TECHNICAL SPECIFICATIONS

Model	SSC10CN / SCC20CN / SCC30CN / SCC40CN		
Type	Series Regulator Common Negative		
Technology	Microcontroller Based Control		
System Voltage	12V / 24V / 48V (User Selectable Configuration)		
	12V	24V	48V
ELECTRICAL PARAMETERS			
Charging Current	10-40Amp		
Bulk Voltage	14.1V (Adjustable 13.2-15V)	28.2V (Adjustable 26.4-30V)	56.4V (Adjustable 52.8-60V)
Absorption Period	Hold battery voltage at bulk setting for a cumulative period of 1 hour		
Float Voltage	13.5V	27V	54V
Equalizing Voltage	Bulk Voltage + 1V	Bulk Voltage + 2V	Bulk Voltage + 4V
Temperature Comp. Coefficient	-3mV to -5mV/°C/cell (25°C Reference)		
Temperature Comp. set points	Bulk, Absorption, Float and Equalization mode		
INDICATIONS			
LED Indications for Bulk Mode, Absorption Mode, Float Mode, Equalization Modes Wrong Battery Selection, High Temperature, High Current, Array/Battery Reverse Polarity			
ENVIRONMENTAL PARAMETERS			
Operating Temperature	0°C to + 40°C		
Storage Temperature	0°C to + 55°C		
Wire Terminals	Suitable for 10 Sq. mm / 25 Sq. mm		
Relative Humidity	0-95% Non-Condensing		
Dimensions-WxDxH (in mm)	225 x 135 x 76		
Weight (in kgs.)	1.4kg Up to 20A, 1.75kg Up to 40A		

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