LUMINOUS

Solar Charge Controller

Luminous PWM Charge controllers have efficiency upto 98% . They charge batteries from solar panels without permitting overcharge and also prevent reverse current flow at night.

Range available: | **12V-6Amp, 12V/24V-10Amp, 20Amp & 25Amp**

Features	Benefits
Automatic selection of 12V/24V battery	No manual operation
Aesthetic & compact design	20% extra power handling capability
98% efficiency	Max. utilization of solar power
Fuseless electronic & software controlled protections	Maintenance free
USB port	USB mobile charger output
Load controller with LVD	Saves battery from deep discharge thus increases life

Technical Specifications

Model Name	SCC1206NM	SCC1210NM*	SCC1220NM	SCC1225NM
System rating	6A @ 12V	10A @ 12V / 24V	20A @ 12V / 24V	25A @ 12V / 24V
Technology	PWM			
Maximum solar panel wattage	125Wp @ 12V	200Wp @ 12V/400Wp @ 24V	400Wp @ 12V/800Wp @ 24V	500Wp @ 12V/900Wp @ 24V
Maximum solar panel voltage	25V	25V/45V		
Low voltage disconnect				
A) By state of charge	N.A	Available		
B) Controlled by voltage	Available			
Battery type selection	Lead Acid & SMF			
Self consumption	Less than 10mA			
Efficiency:				
A) Charging	98.5%		96%	96%
B) Load	98%		96%	96%
Operating temperature range	0°C to 50°C			
Power connections	30 Ampere Terminal			
Wire size	Recommended 2.5 sq. mm	Recommended 4 sq. mm	Recommended 6 sq. mm	Recommended 4 sq. mm
Enclosure	ABS Plastic, IP21			
Dimensions (mm)	40 x 60 x 135 (L x W x H)			
Net weight	275 gms	300 gms	350 gms	350 gms

* Available with dusk to dawn feature