GO GREEN

USE RENEWABLE ENERGY

About us

State-of-the-art Manufacturing Facilities

Facility at Katha, Baddi

Su-Kam's expertise in manufacturing innovative power back-up systems with its focus on R&D, to continuously manufacture new products, has resulted in manufacture of a wide range of products like invertors, batteries, solar systems etc.

Su-Kam has 7 state-of-the-art manufacturing facilities in Baddi, Himachal Pradesh, Nepal and Gurgaon.

ADVANCED R&D

Su-Kam is the first in the industry to invest in and institute an exclusive R&D unit, at par with international standards. A dedicated team of industry experts carry out development and testing of new products. Sophisticated testing equipment is used and both the facility and products are upgraded frequently.

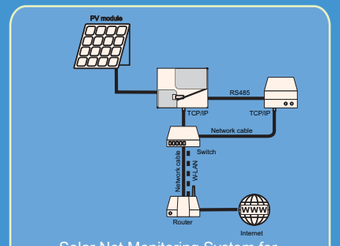
Su-Kam has remained uncompromising on the high quality of its products. With stringent quality parameters and testing, it is at par with international standards.

The company has implemented **Total Quality Management(TQM)** practices across all its manufacturing facilities.

Most of our products have received Test Certifications from reputed laboratories like ERTL (A Government of India organisation).

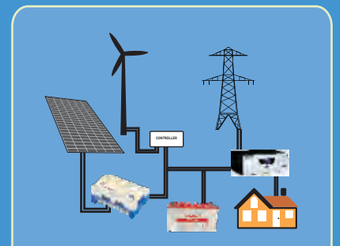
RS 232 interface Software for power management

INSTALLATION DIAGRAM



Solar Net Monitoring System for Charge Controller

For Household Application



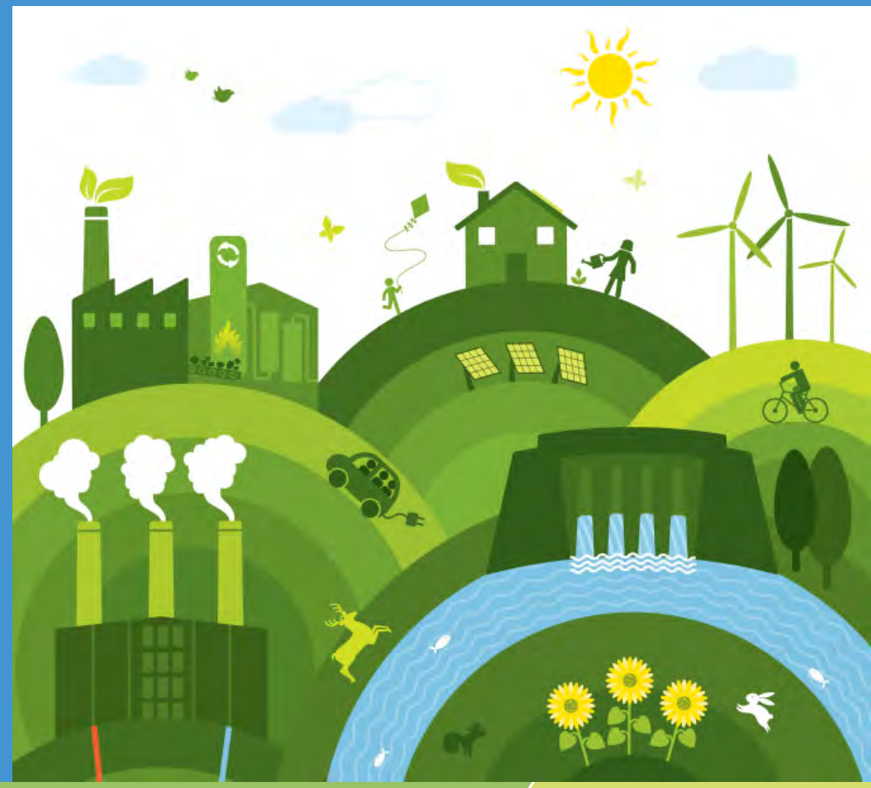
Customization for Household Application

The Su-Kam Experience

Su-Kam offers excellent service to its current and prospective clients. It has a vast, pan-India, company-owned service network.
It also runs fully-equipped service vans to provide doorstep service.

Charge-up NATURALLY

& SAVE MOTHER EARTH



www.su-kam.com

SOLAR CHARGE CONTROLLER

PWM RANGE

Su-Kam Power Systems Ltd.
Corporate Office : Plot No 54, Udyog Vihar,
Phase VI, Sector 37, Gurgaon-122001,
Haryana, INDIA Tel : +91 124 4170500
Fax +91 124 4038700/1/2
Email : export@su-kam.com

12/15/SCC/EXP/B01

SOLAR PV CHARGE CONTROLLER

PWM RANGE

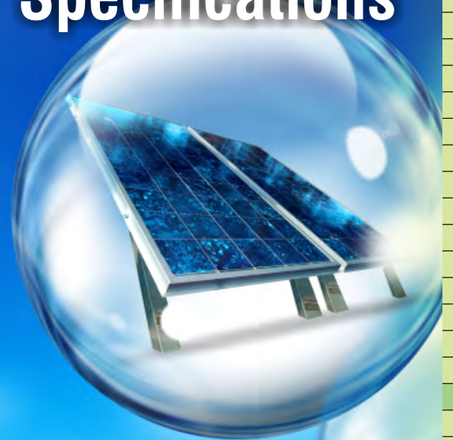
12V/05A
12V/10A
12V/20A

12V - 24V/30A

12V - 24V - 48V/10A
12V - 24V - 48V/20A
12V - 24V - 48V/30A
12V - 24V - 48V/45A
12V - 24V - 36V/45A

096V/60A
110V/50A
120V/60A
180V/40A
192V/60A
240V/40A
360V/30A

Technical Specifications



Models	SCC 12V 5A	SCC 12V 10A	SCC 12V 10A DD	SCC 12V 20A	SCC 12V-24V/30A	12V 24V 36V 48V	96V	180V	192V	240V	360V	110V	120V	
Charging Current Imax.	5A	10A	10A	20A	30A	10A-45A	60A	40A	60A	40A	30A	50A	30A	60A
Load Current	5A	10A	10A	20A	30A	N/A								
Automatic Dusk to Dawn	N/A		Dusk at PV voltage ≤4V & Dawn at PV Voltage ≥ 6V	N/A		N/A								
Type	Series Regulator Common Positive					Series Regulator Common Negative						Series Regulator Common Positive		
Maximum I/P PV Voltage	25V Per 36cell Solar module													
Solar Array	Single Array											Dual Array	Single Array	Dual Array
Charge Controller Start Time	25 Sec.± 5 Sec.													
Bulk Voltage	14.4V± 0.2V					14.2V ± 0.2V/Batt.	115V±2V	216V ± 2V	232V±3V	282V ± 2V	422V ± 3V	131V ± 1V	141V ± 1V	
Adjustable Bulk Voltage	13.2V-15V/Battery						Yes	198V-225V	Yes	264V-300V	396V-450V	127V-132V	132V-150V	
Transition from float to bulk	Below float level for a cumulative period of 1 hour													
Float Voltage	13.6V± 0.2V				13.5V ± 0.2V/battery		110V±2V	211V ± 2V	220V±3V	270V ± 2V	408V ± 3V	126V ± 1V	135V ± 1V	
Equalization	N/A				Manual/Auto Mode		N/A							
Equalizing Voltage	N/A				Bulk Voltage +1V for 12V batt.		N/A							
Low Battery Indication	11.4V± 0.2V				11.4V± 0.2V /Bat.	11V ± 0.2V/Battery	88V±2V	162V ± 2V	175V±3V	216V ± 2V	324V ± 3V	100V ± 1V	110V ±1 V	
Low Battery Indication Reconnect	12.8V± 0.2V				12.8V± 0.2V/Bat.	12.2V ± 0.2V/Battery	98V±2V	183V ± 2V	195V±3V	244V ± 2V	365V ± 3V	114V ± 1V	122V ±1 V	
Battery High Charging Cut off	15.5V± 0.2V				15.5V± 0.2V/Bat.	15.4V ± 0.2V/Battery	128V±2V	230V ± 2V	250V±3V	288V ± 2V	445V ± 3V	142V ± 1V	144V ± 1V	
Battery High Charging Cut off Reconnect	14.5V± 0.2V				14.5V± 0.2V/Bat.	13V ± 0.2V/Battery	117V±2V	195V ± 2V	210V±3V	260V ± 2V	390V ± 3V	121V ± 1V	135V ± 1V	
PROTECTION														
Over Current, Battery over Charge Protection, PV/Battery Reverse Polarity, Reverse Current Flow, High Temp.														
Automatic Charger Restart Time after High Current	3.5 Minutes													
Over Current Shutdown	≥ 110%													
High Temperature Charger Comp.	> 75°C ±5°C													
High Temperature Charger Reconnect	< 60°C ±5°C													
Cooling fan ON	N/A						≥50°C							
Cooling fan OFF	N/A						≥45°C							
PC Communication Interface	N/A					Available N/A Available	N/A							

ENVIRONMENTAL FOR ALL MODELS	
Operating Temp.(in-house type test)	0°C to + 40°C
Storage Temp.(in-house type test)	0°C to + 55°C
Relative Humidity	0-95% Non-Condensing
IP Rating	IP-20
Design Serviceuse	Indoor
ENCLOSURE FOR ALL MODELS	
Mounting Type	Suitable for wall mounting