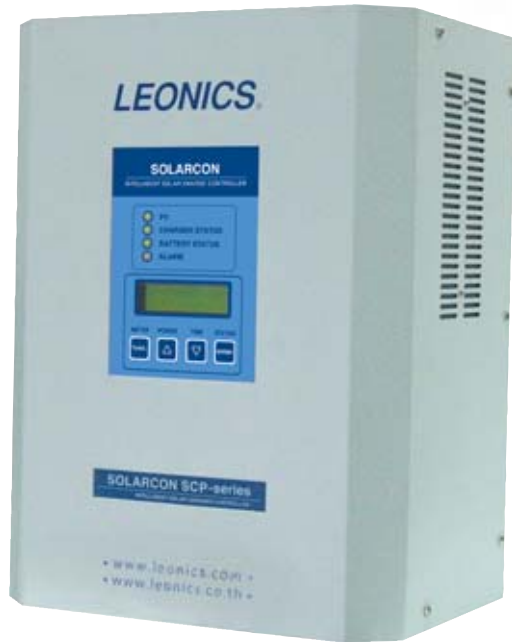
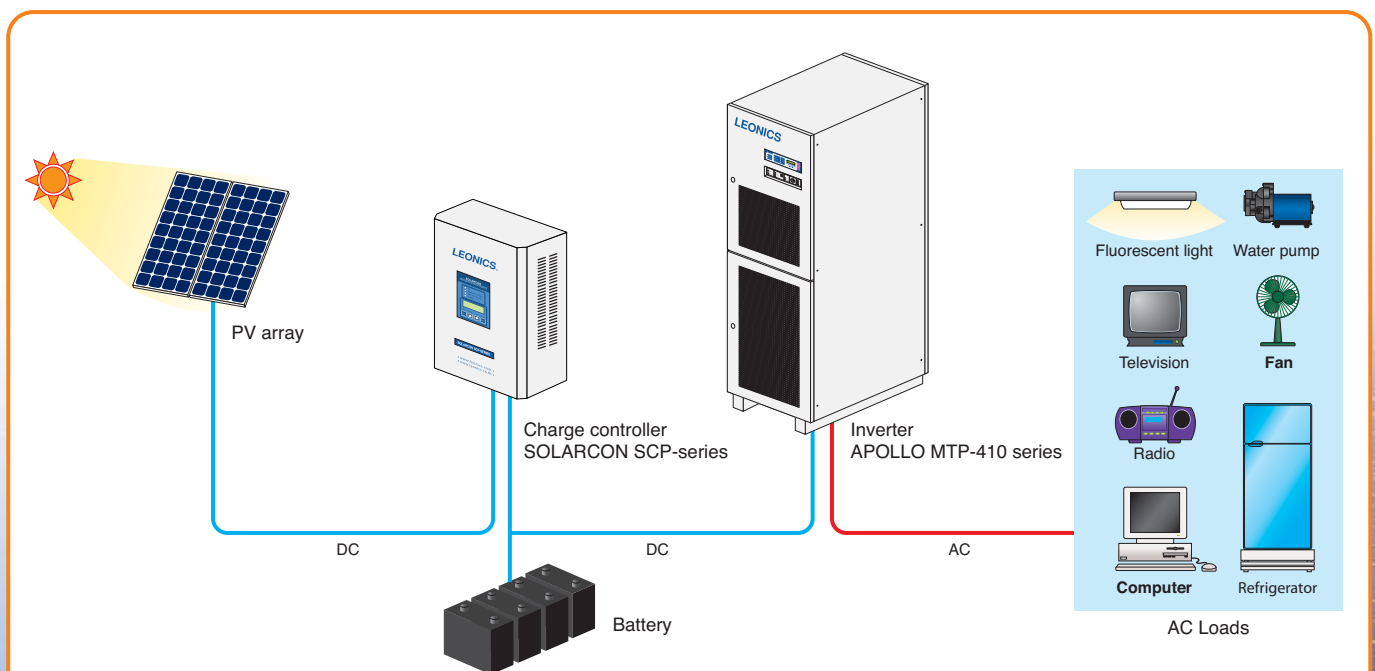


SOLARCON SCP

Solar Charge Controller



- Advanced microprocessor control
- All solid state (Serial controller)
- High efficiency
- Automatic ON-OFF
- 3-step charging to provide quick and safe charging for battery
- Over charge and over discharge protection
- Overload alarm and protection
- Lightning surge protection
- Power and event data logger
- Comprehensive LED indication and LCD display
- Wall mount or Rack mount Case
- ISO 9001 and ISO 14001 certified factory



The SOLARCON SCP-series charge controller is an advanced PV charger with microprocessor control for professional use. The charge controller equipped with LCD display and front panel for easy and accurate setting more over the digital meter with 180 days power and event logger are inclusive.

LEONICS® SOLARCON SCP-series Solar Charge Controller



SPECIFICATIONS

Wall Mount Model	SCP-2430	SCP-2460	SCP-24120	SCP-4830	SCP-48120	SCP-48240	SCP-12030	SCP-12060	SCP-120120	SCP-24030	SCP-24060	SCP-240120
Rack Mount Model	SCP-2430/RM	SCP-2460/RM	SCP-24120/RM	SCP-4830/RM	SCP-48120/RM	SCP-48240/RM	SCP-12030/RM	SCP-12060/RM	SCP-120120/RM	SCP-24030/RM	SCP-24060/RM	SCP-240120/RM
RATED POWER												
Maximum current	30 A	60 A	120 A	30 A	120 A	240 A	30 A	60 A	120 A	30 A	60 A	120 A
INPUT												
Nominal voltage	24 Vdc			48 Vdc			120 Vdc			240 Vdc		
Maximum voltage	48 Vdc			96 Vdc			240 Vdc			450 Vdc		
Maximum PV power*	0.83 kWp	1.65 kWp	3.3 kWp	1.65 kWp	6.6 kWp	13.2 kWp	4.13 kWp	8.26 kWp	16.5 kWp	8.26 kWp	16.5 kWp	33 kWp
OUTPUT (at 25°C)												
Boost charging voltage	26.0 - 30.0 Vdc (default = 30.0 Vdc)			52.0 - 60.0 Vdc (default = 60.0 Vdc)			130.0 - 150.0 Vdc (default = 150.0 Vdc)			260.0 - 300.0 Vdc (default = 300.0 Vdc)		
Float charging voltage	24.0 - 28.0 Vdc (default = 27.6 Vdc)			48.0 - 56.0 Vdc (default = 55.2 Vdc)			120.0 - 140.0 Vdc (default = 138.0 Vdc)			240.0 - 280.0 Vdc (default = 276.0 Vdc)		
Low voltage alarm	20.0 - 24.0 Vdc (default = 23.6 Vdc)			40.0 - 48.0 Vdc (default = 47.2 Vdc)			100.0 - 120.0 Vdc (default = 118.0 Vdc)			200.0 - 240.0 Vdc (default = 236.0 Vdc)		
Low battery voltage disconnected	19.8 - 23.8 Vdc (default = 21.6 Vdc)			39.6 - 47.6 Vdc (default = 43.2 Vdc)			99.0 - 119.0 Vdc (default = 108.0 Vdc)			198.0 - 238.0 Vdc (default = 216.0 Vdc)		
Reconnect voltage	23.0 - 27.0 Vdc (default = 25.0 Vdc)			46.0 - 54.0 Vdc (default = 50.0 Vdc)			115.0 - 135.0 Vdc (default = 125.0 Vdc)			230.0 - 270.0 Vdc (default = 250.0 Vdc)		
BATTERY												
Type	Deep cycle lead acid (LA)											
EFFICIENCY												
Charger peak efficiency	> 98%											
PROTECTION												
Reverse polarity	Protection											
High battery voltage	Protection / Alarm											
Low battery voltage	Protection / Alarm											
Overload	Protection / Alarm											
PV disconnection	Protection / Alarm											
INDICATOR												
LED	Battery level, PV voltage level, Operation status, Alarm											
LCD	Digital meter, 180 days power and event logger											
COMMUNICATION INTERFACE												
RS-232	DB-9 connector											
RS-485	operate with RS-485 adaptor (option)											
SYSTEM												
Battery temperature compensation range	-5 to 7 mV / cell / celsius (option)											
OPERATING CONDITION												
Temperature	0 - 45°C											
Relative humidity	0 - 95% (non-condensing)											
DIMENSION (W x H x D) (approximate in cm.)												
Wall mount case	27 x 36.5 x 20.5					35 x 50 x 27		27 x 36.5 x 20.5			42 x 40 x 23	
Rack mount case	48.2 x 26.5 x 54											
WEIGHT (approximate in kg.)												
Wall mount case	9.5	10.5	10	10.5	10	10.5	10	10.5	10	10	15	
Rack mount case	11.5	12.5	12	12.5	12	12.5	12	12.5	12	12	17	

*For operation of charge controller at ambient temperature ≤ 25°C. The peak PV power must be derated 15% when charge controller operates at ambient temperature over than 25°C. Continuous product development is our commitment. In that manner, the above specifications may be changed without prior notice.

Authorized Distributor

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