

SOLARCON SCM

SOLAR CHARGE CONTROLLER WITH MPPT

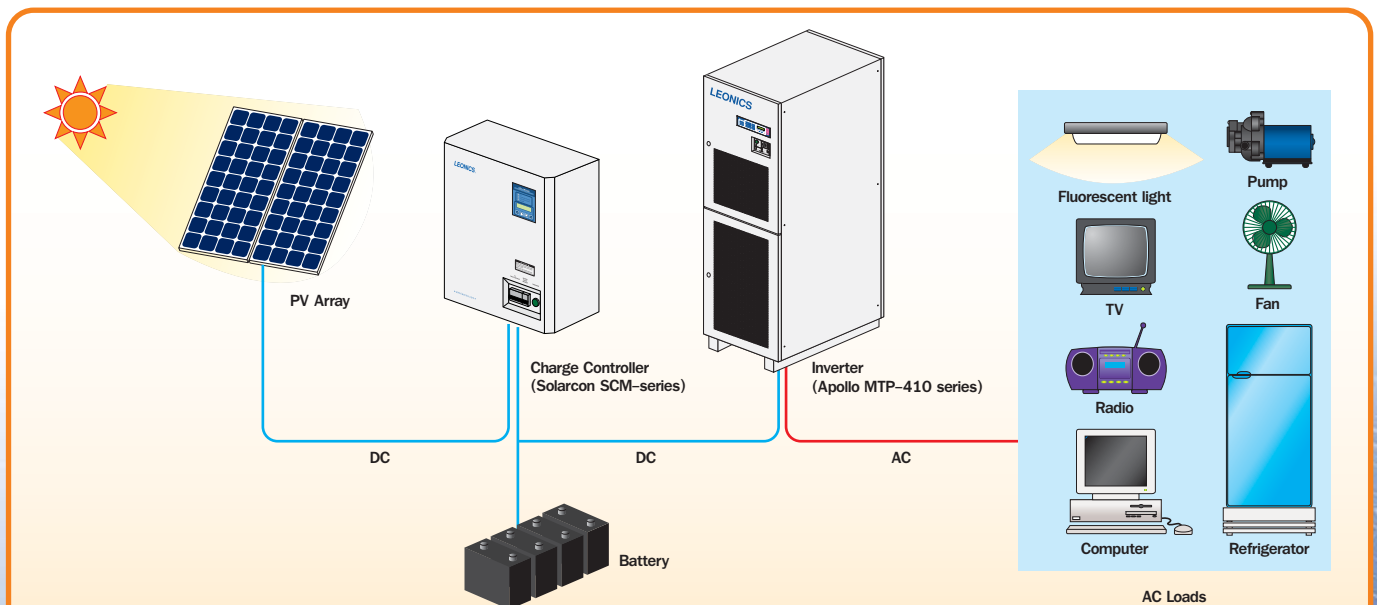


Wall mount case



Rack mount case

- Advanced microprocessor control
- Maximum Power Point Tracking (MPPT)
- High efficiency > 98%
- Automatic ON - OFF
- 3-step charging to provide quick and safe charging for battery
- Comprehensive LED indication and LCD display
- Lightning surge protection
- Overload alarm and protection
- Over charge and over discharge protection
- Power and event data logger
- Wall mount or rack mount 6U, 7U and 42U case
- ISO 9001 and ISO 14001 certified factory



The SOLARCON SCM-series charger is the most sophisticated solar charger with PV Maximum Power Point Tracking (MPPT) algorithm. The charger equipped with advanced microprocessor control to get the maximum power from PV to charge battery 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.

SPECIFICATIONS

MODEL	SCM-12035	SCM-12070	SCM-120105	SCM-120140	SCM-24035	SCM-24070	SCM-240105	SCM-240140	SCM-48035	SCM-48070	SCM-480105	SCM-480150	SCM-480200
	SCM-12035/RM	SCM-12070/RM	SCM-120105/RM		SCM-24035/RM	SCM-24070/RM	SCM-240105/RM	SCM-240140/RM	SCM-48035/RM				

INPUT (Configuration of PV in series within these voltage range)

Vmp of PV at STC	85 - 102 Vdc				170 - 204 Vdc				340 - 408 Vdc				
Tracking voltage range	48 - 102 Vdc				96 - 204 Vdc				192 - 408 Vdc				
Voc of PV at STC	< 138 Vdc				< 276 Vdc				< 552 Vdc				
Maximum current	35	70	105	140	35	70	105	140	35	70	105	150	200

OUTPUT (at 25°C)

Nominal battery voltage	120 Vdc				240 Vdc				480 Vdc				
Boost charging voltage	130.0 - 150.0 V				260.0 - 300.0 V				520.0 - 600.0 V				
Float charging voltage	120.0 - 140.0 V				240.0 - 280.0 V				480.0 - 560.0 V				
Low voltage alarm	100.0 - 120.0 V				200.0 - 240.0 V				400.0 - 480.0 V				
Low voltage cut off (signal)	99.0 - 119.0 V				198.0 - 238.0 V				396.0 - 476.0 V				
Reconnect voltage (signal)	115.0 - 135.0 V				230.0 - 270.0 V				460.0 - 540.0 V				

BATTERY

Type	Deey cycle Lead Acid (LA)												
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PROTECTION

Protection	High battery voltage, Low battery voltage. Over temperature, Overcharging												
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INDICATION

LED	Battery Level, PV Voltage Level, Operation Status, Alarm												
LCD	Digital meter, 180 days power and event logger												

COMMUNICATION INTERFACE

RS-232	DB-9 connection												
RS-485	operate with RS-485 adaptor (option)												
Digital I/O	DB-9 connection x 2 port (male and female)												

SYSTEM

Control	Automatic cooling fan, Maximum Power Point Tracking (MPPT)												
Temp. 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.)

Tower case	-	60 x 86.5 x 46	60 x 270 x 80	-	60 x 86.5 x 46	60 x 210 x 80	60 x 86.5 x 46	60 x 210 x 80				
Wall mounted case	50 x 60 x 30	-	-	50 x 60 x 30	-	-	-	-				
Rack mount case	48.2 x 26.5 x 54	68.2 x 31 x 64	-	48.2 x 26 x 52	68.2 x 31 x 64	48.6 x 31.5 x 60	68.2 x 31 x 64	-				

WEIGHT (approximate in kg.)

Tower case	depend on model												
Wall mounted case	depend on model												
Rack mount case	depend on model												

Continuous product development is our commitment. In that manner, the above specifications may be changed without prior notice.

Authorized Distributor:

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