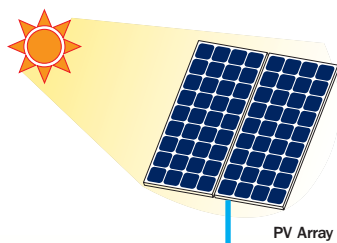


SOLARCON SPM

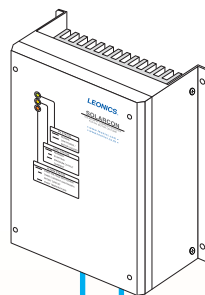
SOLAR MPPT CURRENT BOOSTER FOR DC MOTOR OR PUMP



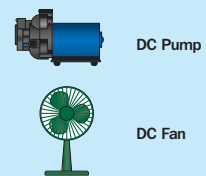
- Advanced microprocessor control
- Maximum Power Point Tracking (MPPT)
- DC motor appliances or pump control
- Reverse polarities protection for PV
- Short circuit protection
- Remote switch for ON/OFF DC motor or pump
- Wall mounted type
- Protection class typical IP54
- ISO 9001:2000 and ISO 14001 certified



PV Array



Charge Controller
(Solarcon SPM-series)



DC Pump

DC Fan

DC

DC

DC Loads

Where power demand is small and a stand alone power system is needed, the DC-Solar System is a good solution. Particularly suitable for DC motor appliances such as DC pump, etc. With built-in Maximum Power Point Tracking (MPPT), SOLARCON SPM-series charge controller can extract the maximum power generated by PV array and supply to DC pump or DC motor appliance. It also provide remote switch for ON/OFF motor or pump.

DC SOLAR SYSTEM

SPECIFICATIONS

MODEL		SPM-1210	SPM-1220	SPM-1230	SPM-2410	SPM-2420	SPM-2430	SPM-3610	SPM-3620	SPM-3630	SPM-4810	SPM-4820	SPM-4830
PV INPUT	Maximum input power (W_p)	120 W_p	240 W_p	360 W_p	240 W_p	480 W_p	720 W_p	360 W_p	720 W_p	1080 W_p	480 W_p	960 W_p	1440 W_p
	Maximum open circuit voltage (V_{oc})	96 Vdc											
	MPPT tracking voltage range (V_{mp})	26 - 75 Vdc											
DC MOTOR / PUMP OUTPUT	Nominal voltage	12 Vdc			24 Vdc			36 Vdc			48 Vdc		
	Maximum output voltage	15 Vdc \pm 0.2			30 Vdc \pm 0.4			45 Vdc \pm 0.6			60 Vdc \pm 0.8		
	Rated current	10 A	20 A	30 A	10 A	20 A	30 A	10 A	20 A	30 A	10 A	20 A	30 A
	Over current capacity	200% for 2 sec.											
	Protection	Short circuit, Over current, Over voltage											
PROTECTION	Transient voltage surge / PV reverse polarity / Over temperature protection												
REMOTE SWITCH	ON / OFF DC motor or DC pump	Yes											
ENCLOSURE PROTECTION		IP 54											
INDICATOR	LED	PV Status , Load Status , Alarm											
OPERATING CONDITION	Temperature relative humidity	0 - 45°C											
	Relative humidity	0 - 95 % (non-condensing)											
DIMENSION	W x H x D (mm.)	210 x 260 x 110											
WEIGHT	Approximate in kg.	3											

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

Authorized Distributor:

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