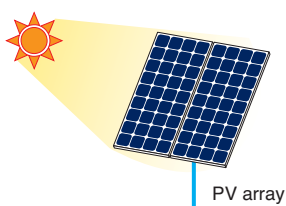


SOLARCON SPM

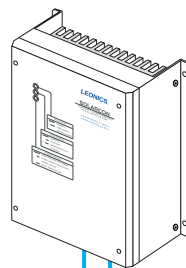
Solar MPPT Current Booster for DC Motor or Pump



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



PV array



Charge controller
SOLARCON SPM-series



DC pump



DC Fan

DC

DC

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 Power System

SOLARCON SPM-series Solar MPPT Current Booster for DC Motor or Pump

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)	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	Nominal voltage	12 Vdc			24 Vdc			36 Vdc			48 Vdc		
OUTPUT	Maximum output range	15 Vdc ± 0.2			30 Vdc ± 0.4			45 Vdc ± 0.6			60 Vdc ± 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											
INDICATOR	LED	PV Status, Load Status, Alarm											
ENVIRONMENT	Temperature	0 - 45 °C											
	Relative humidity	0 - 95% (non-condensing)											
ENCLOSURE TYPE		IP 54											
DIMENSION	W x H x D (cm)	21 x 60 x 110 cm											
WEIGHT	Approximate in kg.	3 kg											

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

Authorized Distributor
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