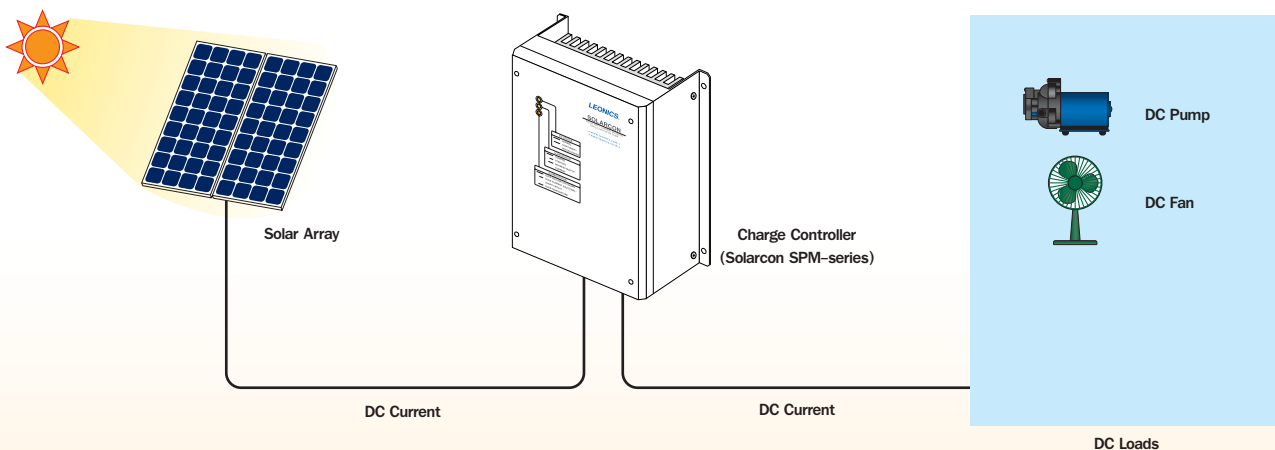


## SOLARCON SPM

### 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, over charge and over discharge protection
- Remote switch for ON/OFF DC motor or pump
- Wall mounted type
- Protection class typical IP54
- ISO 9001 and ISO 14001 certified



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. And built-in Maximum Power Point Tracking (MPPT) to maximize power generated by solar modules (PV). 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 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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