

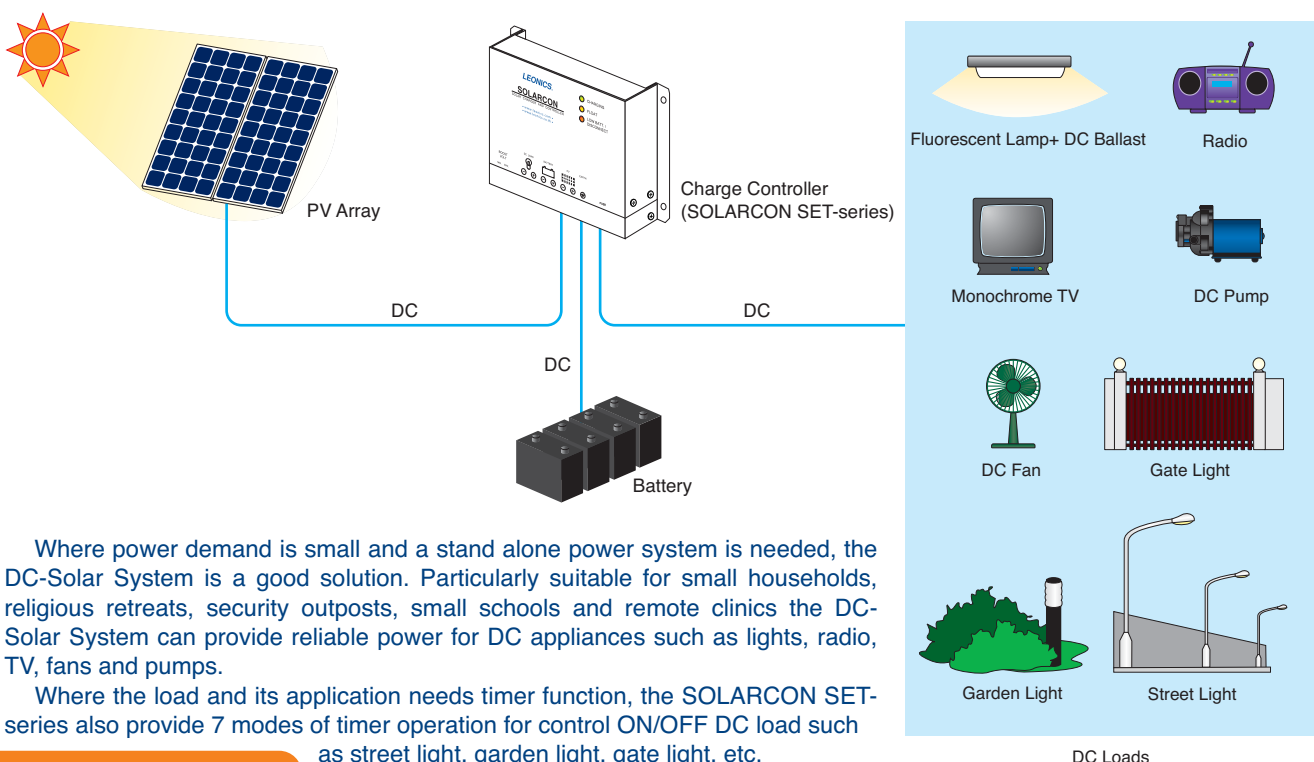


SOLARCON SET

SOLAR CHARGE CONTROLLER WITH DC LOAD TIMER 10A

- Advanced microprocessor control
- Solar charge controller with DC load control
- 3 Step charging to provide quick and safe charging for battery
- 7 modes timer control (ON/OFF DC load) selectable
- Reverse polarities protection for PV and battery
- Low loss PV back feed current protection
- Over charge and over discharge protection
- Lightning surge protection
- Low battery shutdown with alarm
- Automatic ON - OFF
- LED indicator
- High reliability
- C-tick compliance for EMC
- ISO 9001 and ISO 14001 certified factory

Timer Mode	DC Load Status	
	Sunrise	Sunset
0	OFF →	ON 4hrs. OFF →
1	OFF →	ON 4 hrs. - OFF 5hrs.- ON →
2	OFF →	ON →
3	OFF →	Blink (for Obstruction light)
4	ON 4 hrs - OFF →	
5 (default)	ON →	
6	ON →	OFF →



SOLARCON SET-series SOLAR CHARGE CONTROLLER WITH DC LOAD TIMER 10A

SPECIFICATIONS

MODEL		SET-1220	SET-1230	SET-2420	SET-2430	SET-4820	SET-4830
PV INPUT	Nominal voltage	12 V		24 V		48 V	
	Maximum voltage	22 V		44 V		88 V	
	Maximum current	22 A	30 A	22 A	30 A	20 A	30 A
DC OUTPUT	Nominal battery voltage	12 Vdc		24 Vdc		48 Vdc	
TO BATTERY	Boost charging voltage	14.2 - 15.3 V (adj.)		28.4 - 30.6 V (adj.)		56.8 - 61.2 V (adj.)	
	Float charging voltage	13.8 V ± 0.2		27.6 V ± 0.4		55.2 V ± 0.8	
	Low battery disconnect voltage	10.8 V ± 0.2		21.6 V ± 0.4		43.2 V ± 0.8	
	Maximum charging current	22 A	30 A	22 A	30 A	20 A	30 A
	Power consumption	20 mA		20 mA		30 mA	
DC LOAD CONTROL	Nominal voltage	12 Vdc		24 Vdc		48 Vdc	
	Maximum current	10 A		10 A		10 A	
PROTECTION	Protection	Over voltage disconnect, Low battery disconnect, Short circuit (Type electronics switch not moving parts and no contact surface)					
		High battery voltage / Over charge and over discharge / PV transient voltage surge PV reverse polarity / Battery reverse polarity					
INDICATOR	LED	(green)	Charging				
		(yellow)	Float charging				
		(red)	Low battery / Low voltage disconnect				
BATTERY	Type	Lead Acid					
OPERATING CONDITION	Temperature	0 - 45°C					
	Relative humidity	0 - 95 % (non-condensing)					
DIMENSION	W x H x D (approximate in mm.)	190 x 140 x 68					
WEIGHT	Approximate in gram	1,500					

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

Authorized Distributor:

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