

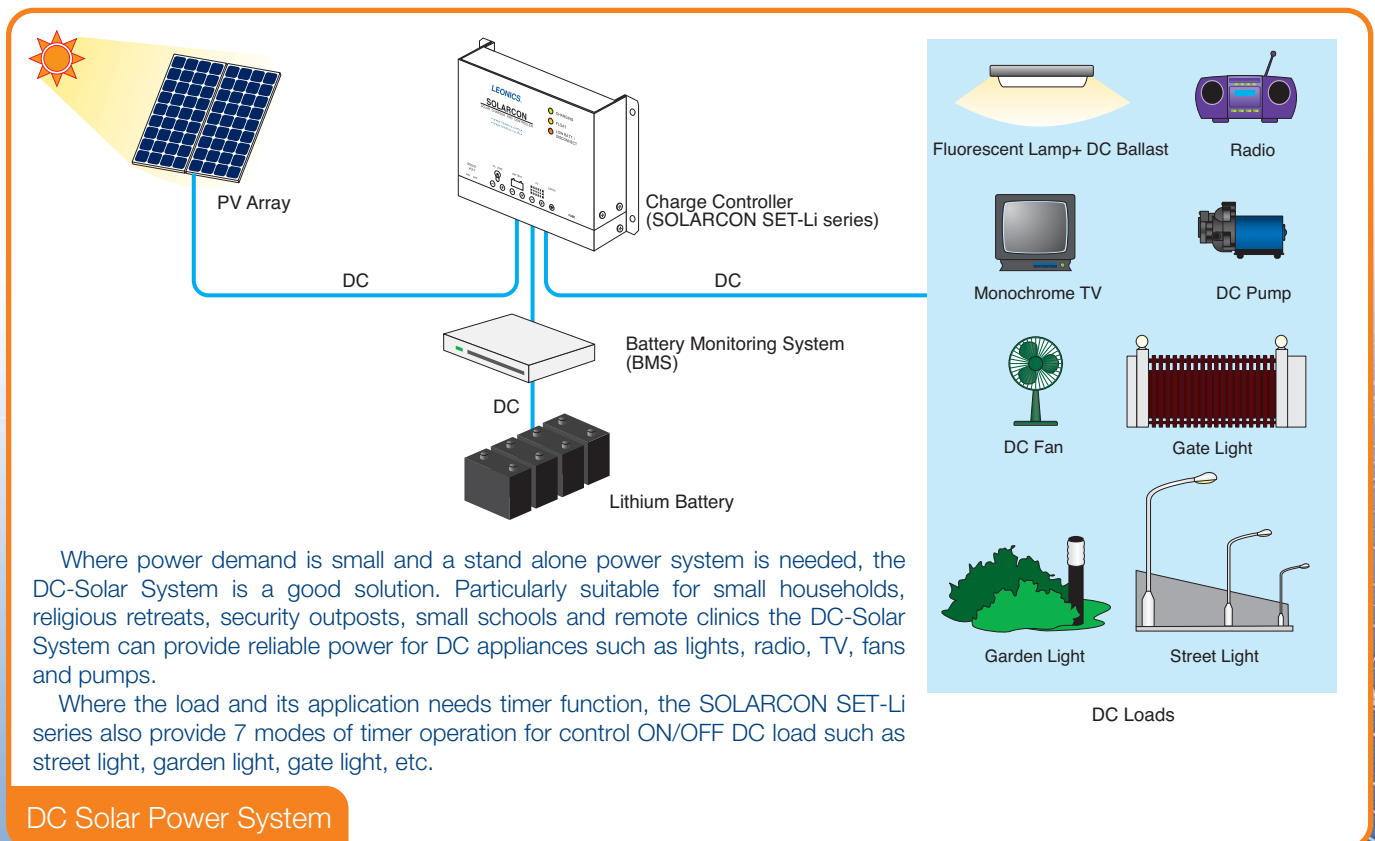


SOLARCON SET-Li

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
- Design for using with LiFePO₄ battery
- 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
- ISO 9001, ISO 14001 and ISO 45001 certified factory

Timer Mode	DC Load Status			
	Sunrise		Sunset	
0	OFF	—————→	Delay 10 min.	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-Li series Solar Charge Controller with DC Load Timer 10 A

SPECIFICATIONS

MODEL			SET-1210Li	SET-1220Li	SET-1230Li	SET-2410Li	SET-2420Li	SET-2430Li	SET-4810Li	SET-4820Li	SET-4830Li
PV INPUT	Nominal voltage		12 V			24 V			48 V		
	Maximum voltage		22 V			44 V			88 V		
	Maximum current		12 A	22 A	30 A	12 A	22 A	30 A	10 A	20 A	30 A
DC OUTPUT TO BATTERY	Nominal battery voltage		12 V			24 V			48 V		
	Boost charging voltage		14.4 Vdc ± 0.2			28.8 Vdc ± 0.4			57.6 Vdc ± 0.8		
	Float charging voltage		13.8 Vdc ± 0.2			27.6 Vdc ± 0.4			55.2 Vdc ± 0.8		
	Low battery disconnect voltage		11.0 Vdc ± 0.2			22.0 Vdc ± 0.4			44.0 Vdc ± 0.8		
	Maximum charging current		12 A	22 A	30 A	12 A	22 A	30 A	10 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		Over voltage disconnect, Low battery disconnect, Short circuit (Type electronics switch not moving parts and no contact surface)								
BATTERY	Type		LiFePO ₄ battery								
PROTECTION			High battery voltage, Over charge and over discharge, PV transient votlage surge, PV reverse polarity, Battery reverse polarity								
INDICATOR	LED	Green	Charging								
		Yellow	Float charging								
		Red	Low battery / Low voltage disconnect								
OPERATING CONDITION	Temperature		0 - 45°C								
	Relative humidity		0 - 95 % (non-condensing)								
DIMENSION	W x H x D (mm.)		137 x 93 x 40	190 x 140 x 68		137 x 93 x 40	190 x 140 x 68		137 x 93 x 40	190 x 140 x 68	
WEIGHT	Approximate in gram		350 g	1500 g		350 g	1500 g		350 g	1500 g	

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

Authorized Distributor

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