

SOLARCON SET-T

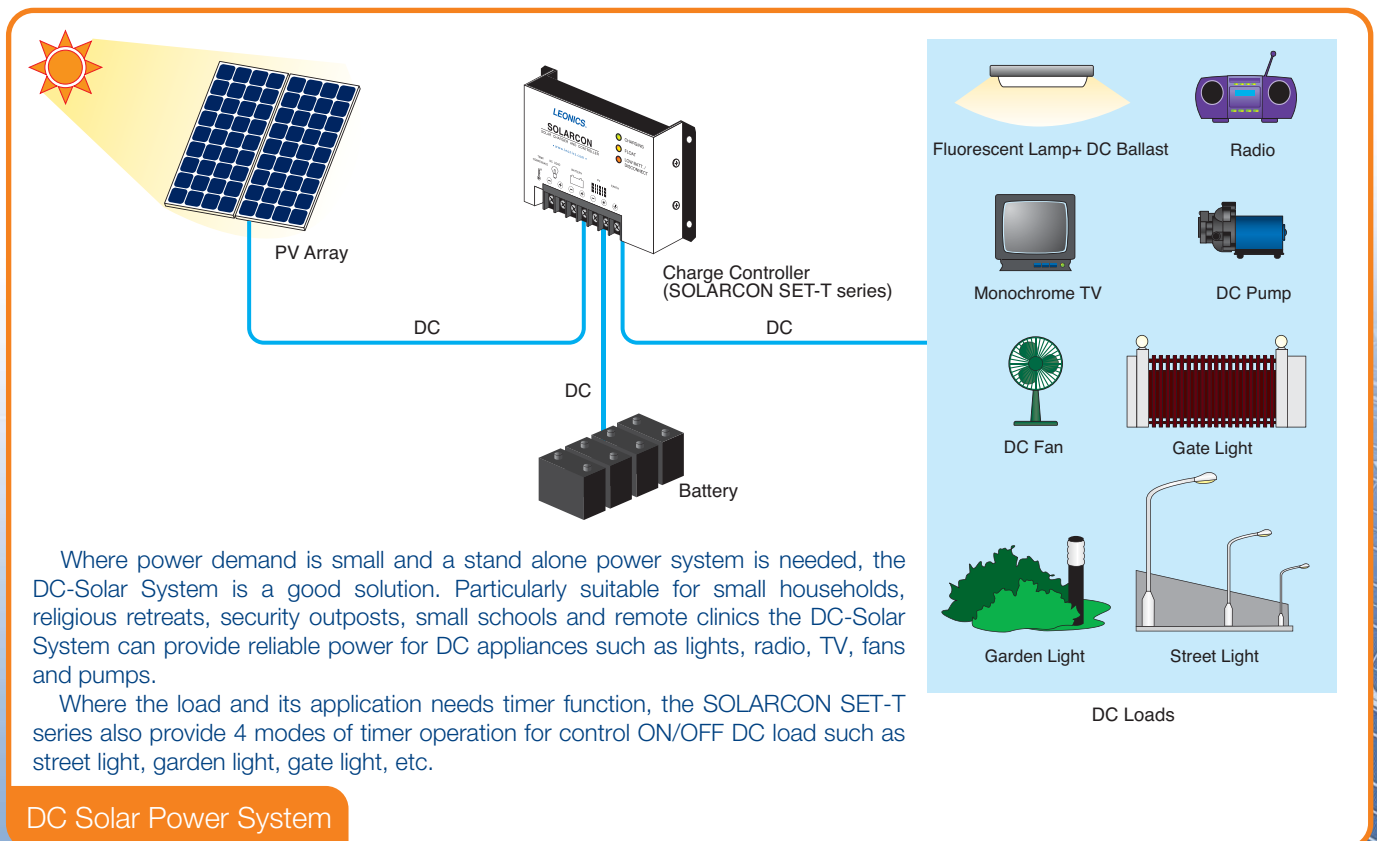
Solar Charge Controller with DC Load Timer 10A



- Advanced microprocessor control
- Solar charge controller with DC load control
- 3 Step charging to provide quick and safe charging for battery
- 4 modes timer control (ON/OFF DC load) selectable
- Available for sealed lead acid and deep cycle battery

- Temperature compensation
- 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, ISO 14001 and ISO 45001 certified factory

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



SOLARCON SET-T series Solar Charge Controller with DC Load Timer 10 A

SPECIFICATIONS

MODEL		SET-1210TS	SET-1210TW	SET-2410TS	SET-2410TW	SET-4810TS	SET-4810TW
INPUT	Nominal voltage	12 V		24 V		48 V	
	Maximum voltage	22 V		44 V		88 V	
	Maximum current	12 A		12 A		10 A	
DC OUTPUT TO BATTERY	Nominal battery voltage	12 Vdc		24 Vdc		48 Vdc	
	Boost charging voltage (at 25°C)	14.2 Vdc ± 0.2	15.0 Vdc Vdc ± 0.2	28.4 Vdc ± 0.4	30.0 Vdc ± 0.4	56.8 Vdc ± 0.8	60.0 Vdc ± 0.8
	Float charging voltage (at 25°C)	13.8 Vdc ± 0.2		27.6 Vdc ± 0.4		55.2 Vdc ± 0.8	
	Low battery disconnect voltage	10.8 Vdc ± 0.2		21.6 Vdc ± 0.4		43.2 Vdc ± 0.8	
	Battery temperature compensate	- 25 mV / celsius		- 50 mV / celsius		- 100 mV / celsius	
	Maximum charging current	12 A		12 A		10 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)					
PROTECTION		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	Sealed lead acid (VRLA)	Lead Acid (LA)	Sealed lead acid (VRLA)	Lead Acid	Sealed lead acid (VRLA)	Lead Acid
OPERATING CONDITION	Temperature	0 - 45°C					
	Relative humidity	0 - 95 % (non-condensing)					
DIMENSION	W x H x D (mm.)	137 x 93 x 40					
WEIGHT	Approximate in gram	350					

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

* The factory default setting is for sealed lead acid (VRLA) battery.

Authorized Distributor

LEO ELECTRONICS CO.,LTD.

27, 29 Soi Bangna-Trad Rd 34, Bangna Tai, Bangna, Bangkok 10260 THAILAND Tel. 0-2746-9500 Fax. 0-2746-8712 e-mail : RNE@leonics.com

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