LEONICS_®



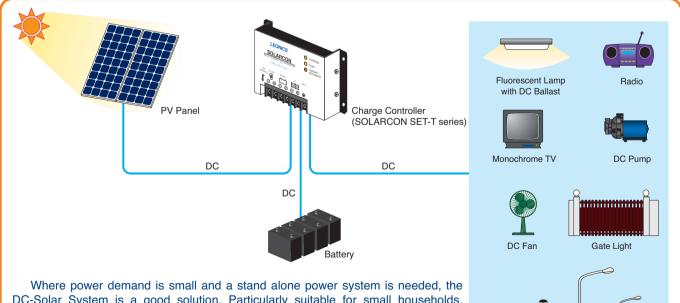
- Advanced microprocessor control
- Solar charge controller with DC load control
- 3 Step charging to provide quick and safe charging for battery
- 4 modes timer control (ON/OFF DC load) selectable
- Available for deep cycle or sealed lead acid battery

SOLARCON SET-T

SOLAR CHARGE CONTROLLER WITH DC LOAD TIMER 10A

- 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 and ISO 14001 certified factory

Timer Mode	DC Load Status							
	Sunrise			Sunset				
1	OFF		>	Delevi	ON 4hrs. OFF ────→			
2	OFF		>	Delay	ON			
3	OFF		>	10 min.	Blink (for Obstruction light)			
4 (default)	ON							



Where power demand is small and a stand alone power system is needed, the DC-Solar System is a good solution. Particularly suitable for small households, religious retreats, security outposts, small schools and remote clinics the DC-Solar System can provide reliable power for DC appliances such as lights, radio, TV, fans and pumps.

Where the load and its application needs timer function, the SOLARCON SET-T series provide 4 modes of timer operation for control ON/OFF DC load such as street light, garden light, gate light, etc.

DC Loads

Street Light

Garden Light

DC SOLAR SYSTEM

LEONICS_®



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

SPECIFICATIONS

MODEL		SET-1210TW	SET-1210TS	SET-2410TW	SET-2410TS	SET-4810TW	SET-4810TS			
PV 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	Nominal battery voltage		12 Vdc		24 Vdc		48 Vdc			
TO BATTERY	Boost charging voltage (at 25°C)		15.0 V \pm 0.2	14.2 ± 0.2	$30.0 V \pm 0.4$	$28.4 V \pm 0.4$	$60.0 V \pm 0.8$	56.8 V \pm 0.8		
	Float charging voltage (at 25°C)		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			
	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	Nominal voltage		12 Vdc		24 Vdc		48 Vdc			
CONTROL	Maximum current		10 A		10 A		10 A			
PROTECTION	Prote	ction	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 ch	Float charging				
	(red)		Low battery / Low voltage disconnect							
BATTERY	Туре		Deep cycle lead acid	Sealed lead acid	Deep cycle lead acid	Sealed lead acid	Deep cycle lead acid	Sealed lead acid		
			(LA)	(VRLA)	(LA)	(VRLA)	(LA)	(VRLA)		
OPERATING	Temperature		0 - 45°C							
CONDITION	Relative humidity		0 - 95 % (non-condensing)							
DIMENSION	W x H x D		137 x 93 x 40							
	(appr	oximate in mm.)								
WEIGHT	Appro	oximate in gram	350							
	Approximate in gram 350 Iopment is our commitment. In that manner, the above specifications may be changed without prior notice. 350									

Authorized Distributor:

Authorized Dealer:

LEO ELECTRONICS CO.,LTD.

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