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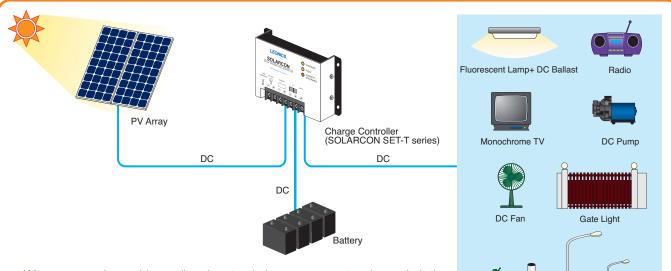
- Advanced microprocessor control
- Solar charge controller with DC load control
- 3 Step charging to provide quick and safe charging for battery
- 4 modes timer control (ON/OFF DC load) selectable
- Available for sealed lead acid and deep cycle battery

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, ISO 14001 and ISO 45001 certified factory

Timer Mode	DC Load Status							
	Sur	nrise	Sunset					
1	OFF		Delevi	ON 4hrs. OFF ────→				
2	OFF		Delay 10 min.	ON				
3	OFF			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 also provide 4 modes of timer operation for control ON/OFF DC load such as street light, garden light, gate light, etc.

Garden Light

Street Light

DC Loads

DC Solar Power System

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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	Nominal battery voltage		12 Vdc		24 Vdc		48 Vdc			
TO BATTERY	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	- 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	D 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 votlage surge,							
			PV reverse polarity, Battery reverse polarity							
INDICATOR	LED	Green								
		Yellow		Float charging						
		Red	Low battery / Low voltage disconnect							
BATTERY	Туре		Sealed lead acid	Lead Acid (LA)	Sealed lead acid	Lead Acid	Sealed lead acid	Lead Acid		
			(VRLA)		(VRLA)		(VRLA)			
OPERATING	Tempe	erature	0 - 45°C							
CONDITION	Relativ	/e humidity	0 - 95 % (non-condensing)							
DIMENSION	WхН	x D (mm.)	137 x 93 x 40							
WEIGHT	Approx	ximate 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

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