



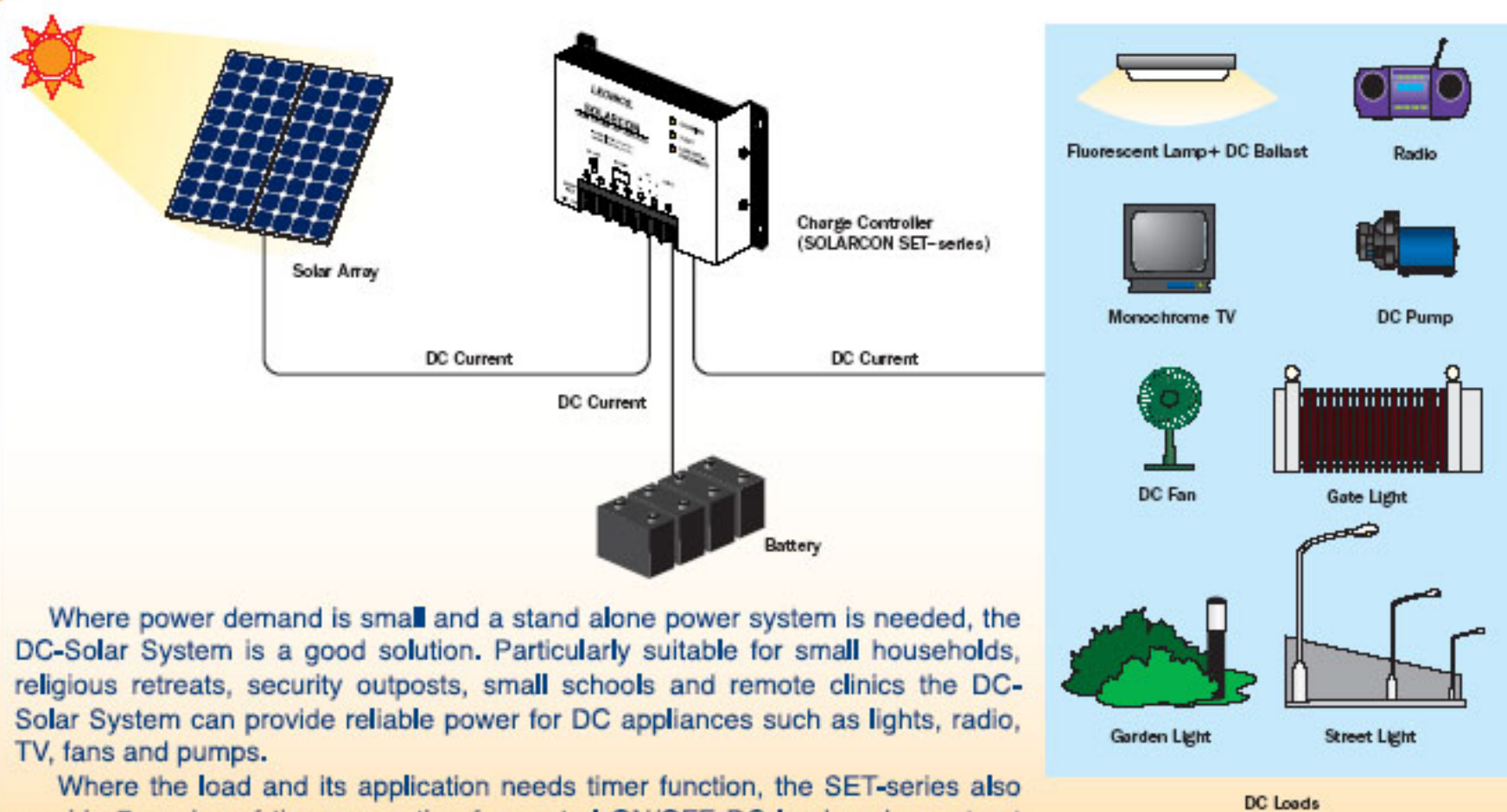
SOLARCON SET

SOLAR CHARGE CONTROLLER WITH TIMER CONTROL

- Advanced microprocessor control with a stage charging
- Reverse polarities protection for PV and battery
- 7 modes timer control (ON/OFF DC load) selectable

- Low loss PV back feed current protection
- Overcharge and overdischarge protection
- Lightning surge protection
- Low battery shutdown with alarm
- Automatic ON - OFF
- LED indicator
- High reliability
- ISO 9001 and ISO 14001 certified

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 →



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 SET-series also provide 7 modes of timer operation for control ON/OFF DC load such as street light, garden light, gate light, etc.

SOLARCON SET-series

SOLAR CHARGE CONTROLLER WITH TIMER CONTROL

SPECIFICATIONS

MODEL		SET-1210	SET-1220	SET-1230	SET-2410	SET-2420	SET-2430	SET-4810	SET-4820	SET-4830
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
OUTPUT TO BATTERY	Maximum Current	12 A	22 A	30 A	12 A	22 A	30 A	10 A	20 A	30 A
DC LOAD	Nominal Voltage	12 Vdc			24 Vdc			48 Vdc		
	Maximum Current	10 A			10 A			10 A		
CHARGING VOLTAGE	Boost charging voltage	13.8 - 15.0 V (adj.)			27.6 - 30.0 V (adj.)			55.2 - 60.0 V (adj.)		
	Float charging voltage	13.6 V			27.2 V			54.4 V		
	Low battery cut off	10.8 V			21.6 V			43.2 V		
	Power consumption	20 mA			20 mA			30 mA		
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)								
WEIGHT	in gram	350	1,500		350	1,500		350	1,500	
DIMENSION	W x H x D (mm.)	160 x 97 x 40	190 x 140 x 68		160 x 97 x 40	190 x 140 x 68		160 x 97 x 40	190 x 140 x 68	