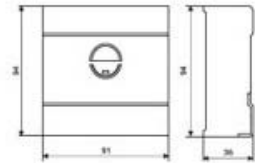


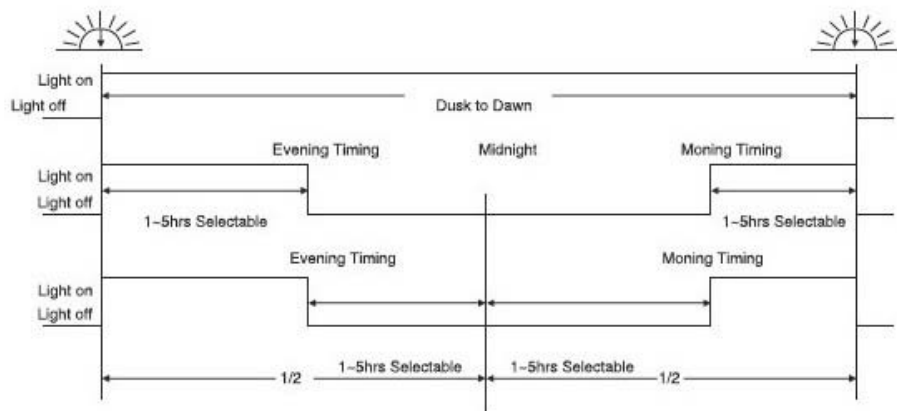
1.Function

- SX/SXN Series is a Sophisticated Solar Charge Controller Which Offers Exceptional Features at an Extremely Competitive Price;
- Data Logging
The SX/SXN charge controller stores system data for one year;
- High Reliability Design
Superior design ensures high degree of reliability through PCB conformal coating and anti-corrosive screws and terminals. Full electronic protection against short circuits, overload, overcurrent, reverse flow, wrong polarity and over-temperature;
- Multifunctional LCD Display
The SOC bar indicates the exact state of charge (available energy) as a percentage through the battery gauge symbol. Load status and nightlight function are displayed symbolically;
- Negative Grounding (SXN);
- Positive Grounding (SX);
- Various Optional System Accessories;
- Overcharge Protection;
- Overdischarge Protection Selectable LCD Modes.



2.Flexible Nightlight Function

Automatically detects day/night;
Programmable day/night threshold (light on/off point);
Lighting timing modes include dusk to dawn and ON/OFF/ON; (Evening/Morning).



3.Technical Data

Nominal voltage	SX/SXN10	SX/SXN20	SX/SXN40
Max. Solar Panel Current	12/24V Automatic Recognition		
Max. Load Current	10A	20A	40A
Overcharge Protection	10A	20A	40A
Selectable LVD Modes	Constant voltage PWM series regulation: boost charge, float charge and optional equalization charge		
Ambient Temperature Range	-25°C ~ +50°C		
Max. Wire Size	16mm ² (AWG)		
Self Consumption	4mA		
Weight	166/170g	166/170g	176/180g