

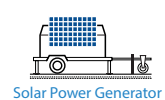
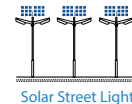
### Overview

LandStar B series is a PWM common positive solar charge controller that adopts the most advanced digital technique. The multiple load control modes enable it can be widely used on solar home system, traffic signal, solar street light, solar garden lamp, etc. The features are listed below.



### Features

- Adopt high quality components of ST,IR and Infineon, make sure product lifespan
- Terminals have UL and VDE certification, the product is more safer and more reliable
- 100% input and output in the environment temperature range
- 3-Stage intelligent PWM charging: Bulk, Boost/Equalize, Float
- Support 3 charging options: Sealed, Gel, Flooded and User
- RS485 communication interface and Modbus communication protocol
- Battery temperature compensation function
- Energy statistics function
- Multiple load control modes
- Extensive Electronic protection



## Technical specifications

Model	LS1024B	LS2024B	LS3024B
System nominal voltage	12/24VDC Auto		
Battery Types	Sealed/Gel/Flooded/User		
Rated charge current	10A	20A	30A
Rated discharge current	10A	20A	30A
Working Voltage range of controller	8 ~ 32V		
Max. PV open circuit voltage	50V		
Self-consumption	≤8.4mA/12V; ≤7.8mA/24V		
Charge circuit voltage drop	≤0.28V		
Discharge circuit voltage drop	≤0.20V		
Temperature compensate coefficient	-3mV/°C/2V (default)		
Working environment temperature	-35°C ~ +50°C		
Relative humidity	≤95% (N.C.)		
Enclosure	IP30		
Grounding	Common Positive		
Dimension	138.6x69.3x37mm	159.6x81.4x47.8mm	200.6x101.3x57mm
Mounting dimension	126mm	147x50mm	190x70mm
Mounting hole size	Φ4.3	Φ4.3	Φ4.5
Terminal	4mm <sup>2</sup>	10mm <sup>2</sup>	10mm <sup>2</sup>
Weight	0.13kg	0.3kg	0.5kg