

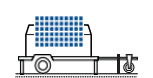
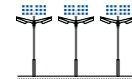
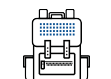
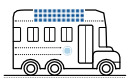
Overview

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 ² | 10mm ² | 10mm ² |
| Weight | 0.13kg | 0.3kg | 0.5kg |