

Solar Charge Controller

The GP series controller is an intelligent, multipurpose solar charge and discharge controller. User friendly LCD display shows system status at all times. This controller features various control parameters and can be set to meet the application requirements.
Available in 20A, 30A, 50A & 60A in 24V and 48V.

Model: SLC-GP2024 / SLC-GP3024 / SLC-GP2048 / SLC-GP3048 / SLC-GP5024 / SLC-GP5048 / SLC-GP6024 / SLC-GP6048

GP series



Features:

- Image of LCD graphic symbol
- Simple button operation
- Automatic Identification System Voltage level
- Intelligent PWM charge mode
- Automatic Temperature Compensation
- Adjustable charge-discharge control parameters
- Settable Operating mode of Load
- Overload, Short Circuit Protection
- Remote monitoring and control function (custom)
- Battery reverse-discharge protection
- Battery Low Voltage Disconnection (LVD)
- Battery reverse connection protection
- Accumulated function of charge and discharge Ampere hours

Technical Data

| Model | SLC-GP2024 | SLC-GP2048 | SLC-GP3024 | SLC-GP3048 | SLC-GP5024 | SLC-GP5048 | SLC-GP6024 | SLC-GP6048 |
|---------------------------------|------------------------|------------|-------------|------------|-------------------------|------------|-------------------------|------------|
| Rated Voltage | 12V/24V | 48V | 12V/24V | 48V | 12V/24V | 48V | 12V/24V | 48V |
| Rated Current | 20A | | 30A | | 50A | | 60A | |
| Float Voltage | 13.8V/27.6V | 55.2V | 13.8V/27.6V | 55.2V | 13.7V/27.4V | 54.8V | 13.7V/27.4V | 54.8V |
| Low Voltage Disconnection (LVD) | 10.7V/21.4V | 42.8V | 10.7V/21.4V | 42.8V | 10.7V/21.4V | 42.8V | 10.7V/21.4V | 42.8V |
| Low Voltage Reconnection (LVR) | 12.5V/25.0V | 50.0V | 12.5V/25.0V | 50.0V | 12.6V/25.2V | 50.4V | 12.6V/25.2V | 50.4V |
| Self-consumption | ≤30mA | | | | | | | |
| Loop Voltage Drop | ≤200mV | | | | | | | |
| Charging Mode | PWM mode | | | | | | | |
| Temperature Compensation | -4mV/Cell/°C | | | | | | | |
| Operating Temperature | -10°C~60°C | | | | -20°C~50°C | | | |
| Storage Temperature | -30°C~70°C | | | | | | | |
| Humidity Requirement | ≤90%, no condensation | | | | | | | |
| Size | 90 mm x 188 mm x 48 mm | | | | 130 mm x 188 mm x 62 mm | | 130 mm x 188 mm x 69 mm | |
| Mounting Hole Spacing | 60 mm x 178 mm --Φ5 | | | | 98 mm x 178 mm --Φ5 | | | |
| Weight | 360g | | | | 590g | | 775g | |