

SLC-GP2430C

GP Series

The GP Classic Series solar charge controller's innovative design with integrated LCD display allows for a user-friendly installation and management. It's optimized charging/discharging control extends the service life of the batteries considerably. Most parameter values can be set to meet various applications.

- Multi-stage PWM charging mode.
- 12/24V battery voltage selectable .
- Adjustable charging/discharging parameters.
- Temperature compensated charging.
- Multiple load controlling modes.
- LCD displays battery, solar and load conditions.
- Solar Protection: Reverse polarity, Overload.
- Battery Protection: High voltage, reverse polarity, Overload, short-circuit.
- Load Protection: High temperature, short circuit, Overload.



| Item | SLC-GP2430C |
|---------------------------------|---|
| PV Voltage | ≤50V |
| Rated Current | 30A |
| System Voltage | 12V/24V Auto |
| HVD | 16.00V×1/×2/×4 |
| Rated Discharge Current | 30A |
| No-load loss | ≤13mA |
| Charge Loop Voltage Drop | ≤0.24V |
| Discharge Loop Voltage Drop | ≤0.1V |
| Charging Mode | PWM Multi-stage(bulk, absorption, float, equalized) |
| Voltage of float charging | 13.8V(13V~15V) ×1/ ×2/ ×4 |
| Voltage of absorption charging | 13.8V(13V~15V) ×1/ ×2/ ×4 |
| Duration of absorption charging | 2hrs |
| Voltage of equalized charging | 14.6V(13V~15.5V) ×1/ ×2/ ×4 |
| Duration of equalized charging | 2hs |
| LVD | 10.8V(10V~14V) ×1/ ×2/ ×4 |
| LVR | 12.6V(10V~14V) ×1/ ×2/ ×4 |
| Load Working Mode | Regular control mode/ Light auto switch model/ Light control mode |
| Light Control Voltage | 5V(1V~10V) ×1/ ×2/ ×4 |
| Battery Type | GEL, SLD, FLD and USr (default) |
| USB | 5V 1A |
| Man-machine interface | LCD, 2 buttons |
| Wiring | PCB terminal, ≤16mm ² |
| Working Temperature | -20°C~+50°C |
| Storage Temperature | -30°C~+60°C |
| Working Humidity | 10%~90%, no condensation |
| Dimension | 188×95×46.5mm |
| Net Weight | 360g |
| IP Code | IP30 |
| Optional Function | Remote communication, TTL, standard ModBus protocol |