

# 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 <sup>2</sup>
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