

Solar Charge Controller – AP series

SCC-30AP-1248

30A 12V/24V/48V Solar Charge Controller



Character:

- ◆ Battery charging, load control or diversion regulation.
- ◆ Highest reliability - large heat sink and conservative design enables operating at full ratings to 45°C.
- ◆ More information - Internal and optional meter displays extensive system and controller information, automatic self-test and reset.
- ◆ Displays can be in multi-languages.
- ◆ Communications capability - RS-422 connects to a personal computer for custom settings, data logging and remote monitoring and control. (LCD meter is option)
- ◆ Fully adjustable - DIP switch provides user with choice of 7 digital presets.
- ◆ Additional custom settings via RS-422.
- ◆ Extensive electronic protections - Fully protected against reverse polarity, short circuit, overcurrent, high temperature and overvoltage.

Description:

- ★ The world's leading solar charge controller for both professional and consumer applications.
- ★ 3 Stage pulse width modulated charge control.

Specifications:

| | |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Model No. | SCC-30AP-1248 |
| Electrical Specifications | |
| Rated solar, load or diversion current | 30A |
| System Voltage | 12V 24V 48V |
| Accuracy | 12/24V: $\leq 0.1\% \pm 50\text{mV}$, 48V: $\leq 0.1\% \pm 100\text{mV}$ |
| Min. voltage to operate | 9V |
| Max. solar voltage (Voc) | 140V |
| Max. operating voltage | 68V |
| Self-consumption | While operating -25mA, at Idle -3ma |
| Environmental Specifications | |
| Operating ambient temperature | Controller -40°C to +45°C Storage temperature: -55°C to +85°C |
| Humidity | 100% (non-condensing) |
| Tropicalization | Conformal coating on both sides of all printed circuit boards |
| Electronic Protections | |
| Reverse polarity protection (any combination) | Reverse polarity protection (any combination) |
| Short-circuit protection | |
| Overcurrent protection | |
| Lightning and transient surge protection using 4500W transient voltage suppressors | |
| High temperature protection via automatic current reduction or complete shut down | |
| Mechanical Specifications | |
| Dimensions (L x W x H mm) | 236 x 65 x 35 |
| Weight (by Kg/s) | 0.8 |
| Power Terminals | 30A Rated |