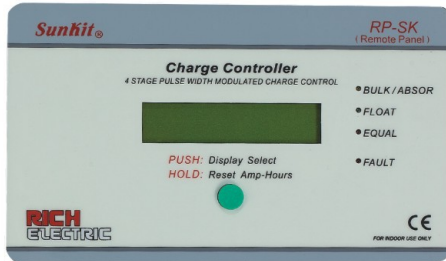


## Economical Solar Charger for Charging Only



### Features

- Seven versions available (12 volts 6 amps, 12 and 24 volts 10~30 amps)
- 100% solid state
- True 0 to 100% PWM duty cycle
- Set point accuracy to 50mV
- Rated for 150% overloads
- Fully encapsulated in epoxy potting
- Anodized aluminum case
- Battery Temperature compensation built-in
- 8 types of charging curve selection
- No need to derate
- Microcontroller digital accuracy
- Optional LCD remote panel for 30 amps model

## Specifications

| Model No.                              | SK-6C                                | SK-10C  | SK-20C        | SK-30C    |
|--|--------------------------------------|---|---------------|-----------|
| <b>ELECTRICAL</b>                      |                                      |   |               |           |
| System Voltage Ratings                 | 12 Vdc                               | 12, 24 Vdc  |               |           |
| Current Ratings-Battery Charge Control | 6A                                   | 10A   | 20A           | 30A       |
| Accuracy                               | ± 60 mV                              |   |               |           |
| Min. Voltage to Operate                | 6 V                                  | 9 V   |               |           |
| Max. Solar Array Voc                   | 30 V                                 | 50 V  |               |           |
| Max. Operating Voltage                 | 16 V                                 | 34 V  |               |           |
| Total Current Consumption              | 6 mA                                 | 9 mA  |               |           |
| High Temp Shutdown                     | N / A                                | 80°C disconnect solar<br>70°C reconnect solar                         |               |           |
| <b>BATTERY CHARGING / Built-in BTS</b> |                                      |   |               |           |
| Charge Algorithm                       | PWM, constant voltage                |   |               |           |
| Temp Comp. Coefficient                 | -5mV / °C / cell (25°C ref)          | 12V: -5mV / °C / cell (25°C ref)<br>24V: -10mV / °C / cell (25°C ref) |               |           |
| Temp Comp. Range                       | 0°C to +50°C                         |   |               |           |
| Temp Comp. Setpoints                   | PWM setpoint: 14.1V                  | PWM, float, equalize (with BTS)                                       |               |           |
| <b>MECHANICAL</b>                      |                                      |   |               |           |
| Dimension (H x W x D) mm               | 65 x 106 x 35                        | 65 x 168 x 35   | 65 x 236 x 35 |           |
| Weight (kgs)                           | 0.2                                  | 0.3   | 0.4           |           |
| Power Terminals                        | 6A Rated                             | 10A Rated   | 20A Rated     | 30A Rated |
| <b>ENVIRONMENTAL</b>                   |                                      |   |               |           |
| Ambient Temperature                    | -40 to +45°C                         |   |               |           |
| Storage Temperature                    | -55 to +85°C                         |   |               |           |
| Humidity                               | 100% (NC)                            |   |               |           |
| Enclosure                              | Indoor & vented                      |   |               |           |
| <b>OPTIONS</b>                         |                                      |   |               |           |
| Remote Panel                           | Optional LCD display for SK-30C only |   |               |           |