

## Stackable Solar Charger / DC Load Controller









## Features

- Solid-state Pulse Width Modulated (PWM) charging process with four-stage control, temperature compensation, and manual or automatic equalization to maximize system performance and increase battery life
- Three operating modes programmed: solar battery charging, DC diversion charge control or DC load control
- Electric overload and short circuit protection with automatic and manual reset capability increase the reliability of unattended systems by eliminating blown fuses and tripped circuit breakers
- LCD meter with easy to read mode/status messages built in for SS-45C and SS-60C
- An 8-position DIP switch to set up the controller for its intended use. All major functions can be set with DIP switches
- Rated for 12, 24, 48 volt systems and 30, 45 or 60 amps current
- Eight standard charging or Load programs selected with DIP switches
- LED indications and pushbutton functions
   Parallel connection for SS-45C and SS-60C (Max. 10 sets)
- Optional remote panel with LCD display for easy operation in distance
- Connection of SS-45C and SS-60C to CombiPlus/SuperCombi units to support "Green Power Smart Feature"

## **Specifications**

SS-30C	SS-45C	SS-60C
12, 24, 48 Vdc		
30A	45A	60A
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<b>30A</b> Diversion load	<b>45A</b> Diversion load	<b>60A</b> Diversion load
12 / 24V : ≤ 0.1 % ±50 mV 48V : ≤ 0.1 % ±100 mV		
9 V		
140 V		
68 V		
While operating-25mA, at idle-3mA		
80°C disconnect solar 80°C disconnect load / diversion load 70°C reconnect solar / load / diversion load		
ection		
4500 watts		
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	30A 30A 30A 30A Diversion load 12/24 48V  While opera 80°C discor	12, 24, 48 V d  30A

BATTERY CHARG	ING / BTS	<b>;</b>	
Charge Algorithm	PWM, constant voltage		
Temp Comp. Coefficient	-5mV / °C / cell (25°C ref)		
Temp Comp. Range	0°C to + 50°C		
Temp Comp. Setpoints	PWM, float, equalize (with BTS option)		
MECHANICAL			
Dimensions (HxWxD) mm	65 x 236 x 35	266 x 127 x 75	
Weight (kgs)	0.8	1.5	
Power Terminals	30A Rated	45A Rated	60A Rated
BTS / Sense Terminals			
wire sizes	1.0 to 0.25 mm2 / 16 to 24 AWG		
torque	0.40 Nm / 3.5 in-lb		
ENVIRONMENTA	L		
Ambient Temperature	-40 to +50 °C		
Storage Temperature	-55 to +85°C		
Humidity	100% (NC)		
Enclosure	Indoor & vented (powder coated steel)		











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