

SOLAR CHARGE CONTROLLER

Low Voltage Controller



- Micro-controller digital accuracy
- PWM regulation & State of Charge(SOC)
- Wind & solar hybrid system control
- Boost, Equalize and Float charging
- Electric energy instruction
- Integrated temperature compensation
- Fully automatic operation & Electronic protections

Model	MAXIMUM	MAXIMUM	MAXIMUM
Max module current	5A	5A	5A
Max load current	5A	5A	5A
System voltage	12V or 24V (auto detect)		
Self power consumption (Dimension: 90x60x30mm)	100mA		
Max power (Watt)	100W		
Type of protection	PVE		

Small Solar power Station Controller



ESCC12V124V016D
ESCC12V124V020D
ESCC12V124V024D



ESCC12V124V148V030D
ESCC12V124V148V040D
ESCC12V124V148V045D

- Micro-controller digital accuracy
- PWM regulation & State of Charge(SOC)
- Wind & solar hybrid system control
- Automatic selection of voltage (12V / 24V / 48V)
- Integrated temperature compensation
- Battery Ah setting, boost charging, equalizing charging, float charging
- LCD display: SOC as a fuel gauge, all system parameters in digital value, system status as symbols
- Fully automatic operation & Electronic protections

Electronic protections

- Short circuit-solar and load
- Overload-solar and load
- Reverse polarity, reverse current at night
- High voltage disconnect
- Loads protected from voltage spikes
- Automatic recovery with all protections

Model	ESCC12V124V016D	ESCC12V124V020D	ESCC12V124V024D	ESCC12V124V148V030D	ESCC12V124V148V040D	ESCC12V124V148V045D	ESCC12V124V148V050D	ESCC12V124V148V055D	ESCC12V124V148V060D
Max module current	5A	5A	5A	5A	5A	5A	5A	5A	5A
Max load current	5A	5A	5A	5A	5A	5A	5A	5A	5A
System voltage	12/24V								
Self power consumption (Dimension: 90x60x30mm)	100mA			100mA			100mA		
Type of protection	12/24V/48V			12/24V/48V			12/24V/48V		

Large Solar Power Station Controller



Solar controller with big power, which can work with following specifications: 24V, 48V, 60A, 80A, 110A, 200A

Features

- With independent control for each array, self-diagnostic, and alarm.
- Provide working control for other backup generator.
- Accurate digital temperature and voltage, signal collects, ensure precise calculation and control, prolong the battery lifetime.
- Easy operation, LCD display module+4 keys
- Control circuit is completely separated from main circuit with high anti-jamming ability
- Can be equipped with RS232/485 joint or modem for remote surveillance and control PC monitoring software

System terminals

- All the terminals are inside of the controller.
- 4 arrays terminals for solar panel
- 1 terminal for battery
- 1 terminal for load
- 1 9-pin tel. terminals, for computer or modem.
- 2 output for inverter signal, isolate the switch output signal.
- 2 input for inverter signal, isolate the switch input signal.
- 1 terminal for temperature sensor.

