



SK series PWM solar charge controller



SK100D (100 A)

SK series is a new series of intelligent multi-purpose solar charge controllers. Its innovative design makes it easy to install and quite user-friendly. Optimized charging and discharging management extends the service life of batteries considerably. Meanwhile, parameters are explicitly displayed. All parameter values can be set to meet various applications.

Features:

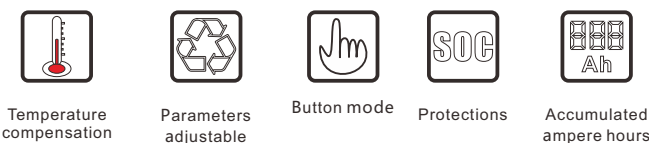
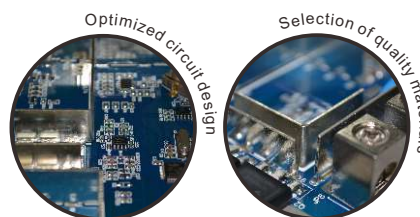
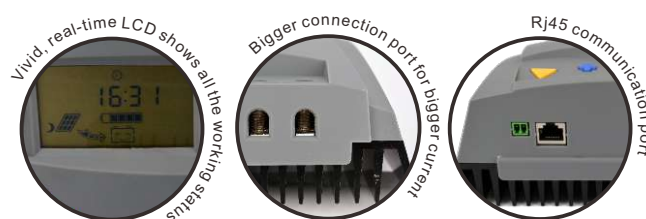
- PWM control
- Multistage charging technology (bulk, absorption, float and equalized)
- Most parameters displayed explicitly
- Automatic detection of battery voltage
- Automatic temperature compensation
- Simple button operation
- Self-timing
- Adaptable to Sealed, Gel, Flooded and other customized battery type
- Preset parameters for charging (Special parameters can be customized)
- All working parameters can be adjusted and reset
- Remote communication function (optional) ---RJ45 connection port, RS232, RS485 and standard Modbus communication protocol

Electronic protections:

- Over charge protection
- Over temperature and over load protection
- Automatic electronic fuse
- Short circuit protection of PV
- Input over voltage protection
- Reverse current protection at night
- Reverse connection protection of PV and battery

Displays:

- Vivid LCD graphic symbols
---presents working status and related parameters explicitly



Technical Data

Model		SK100D	SK10048D
Solar Input	Input voltage	≤50V	≤100V
	Rated input current	100A	
	Charge loop voltage drop	≤0.24V	≤0.30V
Battery	System voltage	12V/24V Auto	48V
	No load loss	≤13mA	
	Battery type	Sealed,GEL,Flooded,User customized	
	Charging mode	4 stages(Bulk,Absorption,Float,Equalized),PWM	
	Float charge voltage	13.8V(13V~15V)×1/×2/×4	
	Absorption charge voltage	14.4V(13V~15V)×1/×2/×4	
	Equalized charge voltage	14.6V(13V~15.5V)×1/×2/×4	
Temperature compensation	-4mV/Cell/°C		
Load	Rated load current	100A	
	Discharge loop drop	≤0.12V	≤0.16V
	Low voltage disconnect	10.8V(10V~14V)×1/×2/×4	
	Low voltage reconnect	12.6V(10V~14V)×1/×2/×4	
	Over voltage disconnect	16.0V×1/×2/×4	
Related	Max wire size	25mm ² (AWG 3#)	
	Working temperature	-20°C~55°C	
	Working humidity	10%~90%,no condensation	
	Dimension(L×W×H)	220mm×133mm×77.5mm	
	Net weight	1.34kg	

