



SK series PWM solar charge controller

SK80D (80 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:

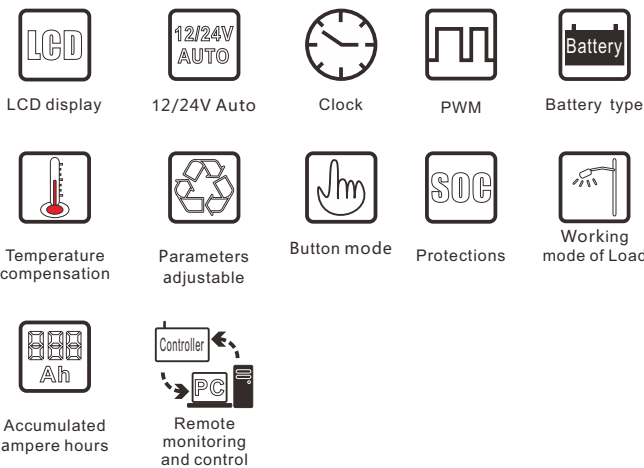
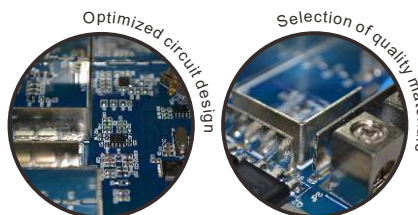
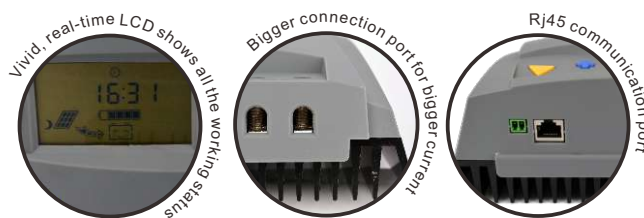
- PWM control
- Multistage charging technology (bulk, absorption, float and equalized)
- Most parameters displayed explicitly
- Automatic detection of battery voltage
- Automatic load reconnection
- Automatic temperature compensation
- Simple button operation
- Adaptable to Sealed, Gel, Flooded and other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

Electronic protections:

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

Displays:

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



Technical Data

Model		SK80D	SK8048D
Solar Input	Input voltage	≤50V	≤100V
	Rated input current	80A	
	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	80A	
	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	

