



CK series PWM solar charge controller



CK50D&CK60D

(50-60A)

CK series solar charge controller is an extension of a series of classic controller. The appearance of this series controller is simple and clear, little red button design makes them easy to use. The products following and optimizing the classic circuit design. Considerate solar panel, battery and load protection making this product more outstanding.

Features:

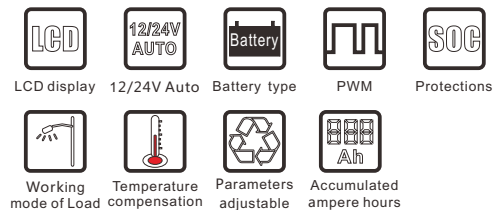
- PWM charging
- Multistage charging technology (Bulk, Absorption, Float, Equalized)
- Voltage regulation
- Automatic detection of voltage
- Automatic load reconnection
- Automatic temperature compensation
- Various controlling modes for load (light control, time & light control, normal mode)
- Adaptable to Sealed, Gel, Flooded and other customized battery type
- Preset parameters for charging and discharging (Special parameters can be customized)
- Optional communication function

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

Display:

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



Off-grid home solar system



RV, boat & field power supply solar system



Farm solar generation system

Technical Data

Model		CK50D	CK60D
Solar Input	Input voltage	≤50V	
	Rated input current	50A	60A
	Charge loop voltage drop	≤0.22V	
Battery	System voltage	12V/24V Auto	
	No load loss	≤14mA	
	Battery type	Sealed,GEL,Flooded,User customized	
	Charging mode	3 stage(Bulk,Absorption,Float) PWM	
	Float charge voltage	13.8V(13V~15V)×1/×2	
	Absorption charge voltage	14.4V(13V~15V)×1/×2	
	Equalized charge voltage	14.6V(13V~15.5V)×1/×2	
Temperature compensation	-4mV/Cell/°C		
Load	Rated load current	50A	60A
	Discharge loop drop	≤0.12V	
	Low voltage disconnect	10.8V(10V~14V)×1/×2	
	Low voltage reconnect	12.6V(10V~14V)×1/×2	
	Over voltage disconnect	16.0V×1/×2	
Related	Max wire size	25mm ² (AWG 3#)	
	Working temperature	-20°C~55°C	
	Working humidity	10%~90%,no condensation	
	Dimension(L×W×H)	50A(188×125×48.5mm)/60A(187×125×56mm)	
	Net weight	565g	715g

