Introduction:

This is a smart solar charge controller which has advanced <u>MPPT technology</u>.<u>Solar charge controller</u> is one of the important parts in the off-grid solar system. For having the advanced MPPT technology, the controller can trace the peak power with 99% conversion efficiency. MPPT microprocessor, inside the controller[making 30% more charge current with significantly less power than tradition. In addition to this, easier installing and supporting to expand volume are other advantages. It can also store energy to different kinds of batteries. We provide battery choice(Vented[]Sealed[]Gel[]NiCd).

Parameter:

Maximum Power Poin 3 stages: fast charge(50A	60A	
a stayes, last cliarde(MPPT) constant valt	and floating charge		
DC12V/24V/48V	Automatic recognition			
12V system	DC9V~DC15V	.1011		
12V/24V/48Vsystem	≤10S			
12V/24V/48Vsvstem	500us			
-				
12V/24V/48Vsystem	≥99%			
	DC34~DC150V			
48V system	DC65~DC150V			
12V system	DC16V			
24V system	DC30V			
48V system	DC60V			
12V system				
		70014/	0000	
			900W	
			1700W	
48V system	2270W	2800W	3400W	
:	Cooled lood orid	antad Cal NiCd battan	-	
12V/24V/48Vsystem				
121//241//401/	(Other types of the batteries also can be defined)			
	Please check the charge voltage according to the battery type form.			
· · · · · · · · · · · · · · · · · · ·		5 5	, , , , , , , , , , , , , , , , , , , ,	
			60A	
		55A	66A	
12V/24V/48V system	14.2V-(The highest	temperature-25°C)*0.3		
12V/24V/48V system	200mV			
12V/24V/48V system	≤±1.5%			
·				
	Input,output paran	neter and output power	etc	
LCD display				
	3 LEDs indicates:Fault indicate light,charge indicate light,power source			
ort)				
- ,	(
	Check the input ch	aracteristics		
Input Overvoltage Protection Input Polarity Reversal Protection				
		haractorictics		
Short-circuit Protection		Recover after eliminating the Short-circuit fault, no problem for long term		
Temperature Protection Temperature protection				
	Above 85°C,decrea	ise the output power,de	crease 3A per degree.	
	≤40dB			
Thermal methods		low,fan ran slowly or st		
	24V system 48V system 12V system 24V system 24V system 12V/24V/48V system 12V/24V/48V system 12V/24V/48V system 24V system 12V/24V/48V system	48VsystemDC36V~DC60V12V/24V/48Vsystem≤10S12V/24V/48Vsystem≥96.5%,≤99%12V/24V/48Vsystem≥99.12V/24V/48Vsystem≥99.12V systemDC18V~DC150V24V systemDC34~DC150V48V systemDC65~DC150V12V systemDC65~DC150V12V systemDC60V12V systemDC60V12V systemDC60V12V systemDC16V24V systemDC65V12V/24V/48V systemDC160V12V/24V/48V systemPlease check the c12V/24V/48V system14.6V24V system29.2V48V system58.4V12V/24V/48V system14.6V24V/24V/48V system14.6V24V/24V/48V system14.6V24V/24V/48V system14.2V-(The highest12V/24V/48V system14.2V-(The highest12V/24V/48V system14.2V-(The highest12V/24V/48V system14.2V-(The highest12V/24V/48V system12V/24V/48V system12V	48VsystemDC36V~DC60V12V/24V/48Vsystem ≤ 105 12V/24V/48Vsystem $\geq 96.5\%, \leq 99\%$ 12V/24V/48Vsystem $\geq 96.5\%, \leq 99\%$ 12V/24V/48Vsystem $\geq 99\%$ 12V systemDC18V~DC150V24V systemDC34~DC150V24V systemDC65~DC150V24V systemDC60V12V systemDC60V12V systemDC34DC34DC16V24V systemDC30V48V systemDC30V48V systemDC16V12V/24V/48V systemDC160V12V/24V/48V systemDC160V12V/24V/48V systemDC160V12V/24V/48V systemDC160V12V/24V/48V systemDC160V12V/24V/48V system1130W1400W48V system12V/24V/48V system1200W24V system2270W2800WSealed lead acid, vented, Gel, NiCd batter (Other types of the batteries also can be d Please check the charge voltage according (Other types of the batteries also can be d Please check the charge voltage according 12V/24V/48V system12V/24V/48V system40A50A12V/24V/48V system4.2V12V/24V/48V system4.2V12V/24V/48V system14.2V12V/24V/48V system14.2V12V/24V/48V system200mV12V/24V/48V system14.2V12V/24V/48V system14.2V12V/24V/48V system14.2V12V/24V/48V system14.2V12V/24V/48V system14.2V12V/24V/48V system14.2V	

Components	World brand raw materials. Compliance with EU standards.All rated temperature of electrolytic capacitors not less than 105℃		
Smell	No peculiar smell and and toxic substances.		
Environment Protection	Meet the 2002/95/EC,no cadmium hydride and fluoride		
Physical			
Measurement DxWxH(mm)	270*185*90		
N.G(kg)	3		
G.N(kg)	3.6		
Color	Blue/Green (optional)		
Safety	CE,RoHS, PSE,FCC		
EMC	EN61000		
Type of Mechanical Protection	IP21		
Environment			
Humidity	0~90%RH (no condense)		
Altitude	0~3000m		
Operating Temperature	-20°C ~ +40°C		
Storage Temperature	-40°C ~ +75°C		
Atmospheric Pressure	70~106kPa		

The specification is only for reference. Subject to change without prior notice.

We provide OEM and ODM service. The 36V/72V/96V model also can be custom made for you.











Тор

Input

Accessories

The Figures of the PC Firmware and Testing Software

🕌 SolarEagle		
System(S) Control(C) Statistics(T)	Language(L) Help(H)	
💒 💽 🔀 🍫	Guest Monitored device: COM1[01]_1234567890123	A456 Device mode: Constant voltage charging I-Panda®
Nevices	Overview Parameters setting Real-time control	
COM1[01]_1234567890123456		Input information
	DC DC + -	PV voltage: 105.1 V Environment temperature: 38.0 °C
	Battery type: Gel Model name: IPANDA-MPPT-60A Main fireware version: 1.0	
	Output information	Real-time events
		ID Level Time Event
	Output voltage: 27.1 V Output power: 0.0 W	3001 Messa 2011-11-05 15:20: Communication restore
	Output current: 0.0 A Total power: 3.9 KWh	3002 Messa 2011-11-05 15:20: Communication lost
		3001 Messa 2011-11-05 15:20: Communication restore
	Battery temperature: 0.0 °C	

Figure 1: PC Firmware











