PowerCom

ISO 9001:2008

It runs with the Sun

Product Description

DP 96X PWM Solar charge controller is an advanced 60A/100A PWM solar controller packed with many programmable features. Supporting large array up to approximately 10kW, this controller has a maximum voltage input of 175V and is suitable to handle battery systems from 12V ~ 96V. It is highly recommended to charge 96V batteries to harvest maximum solar power. Such high voltage input allows you to series-connect your PV modules and save money on combiner boxes & breakers! Product is certified by national and EMC standard and 100% reliable quality.

Technical Features

" MCU intelligent control technology, high performance

" Optional English menu?LCD+LED display mode clearly to know the operation status

" Solar array and battery use the same positive system, multiple independent solar array input control

" Kinds of battery protect data setting

" Display battery voltage, battery charge current, internal chassis temperature, accumulate photovoltaic power generation function, accumulate battery power function, accumulate power consumption function, solar panel current for each strings etc

" Complete protect: reverse battery protection, battery overcharge protection, internal chassis cooling control, battery anti-reverse charge at night time function and alarm function

" It has history record and password protect function

" It has time display function

Salient Features

" Reduce wiring cost and add decency of wiring

" Reduce cable loss and increase system efficiency

" Easy installation

" MTBF is very high

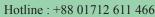## Application

Suitable for big solar project

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Be Smart Be Green

Technical Specifications

Table 1- （60A-2 Input）

Model	DP-9660	
Rated power （W）	5.76K	
Rated charge current （A）	60A	
Rated battery voltage （VDC）	96VDC	
Solar input	Max. PV voltage （VDC）	
Charge voltage range （VDC）	80-175	
2 inputs	SOLAR1	SOLAR2
Max. power for each input （Wp）	2.88K	2.88K
Max. input current for each input （A）	30	30
Overcharge protect voltage （VDC）	111.95	
Overcharge recovery voltage （VDC）	109.6	
DC output	Rated output current （A）	50
Low voltage protect voltage （VDC）	87.7	
High voltage protect voltage （VDC）	124.0	
Efficiency	＞98%	
Protection	Charge over-current, over-voltage/DC output low voltage/high voltage/over-current .,etc	
Fan starting temperature	＞45	
Operating temperature	0-40	
Storage temperature	-15 - +50	
Operating/storage environment	0-90%no condensation	
Product size：W*D*H（mm）	Customized	

Table 2- （100A-4 Input）

Model	DP-96100			
Rated power （W）	9.6K			
Rated charge current （A）	100			
Rated battery voltage （VDC）	96			
Solar panel input	Max.solar input （VDC）		≤175	
Charge voltage rang(VDC)	80-175			
4 solar input	SOLAR1	SOLAR2	SOLAR3	SOLAR4
Max power for each solar input （Wp）	2.4K	2.4K	2.4K	2.4K
Max input current for each solar input （A）	25	25	25	25
Overcharge protect voltage （VDC）	111.95			
Overcharge recovery voltage （VDC）	109.6			
DC output	Rated output current （A）		50	
Low voltage protect voltage （VDC）	87.7			
High voltage protect voltage （VDC）	124.0			
Efficiency	＞98%			
Protect function	Charge over-current, over-voltage/DC output low voltage/high voltage/over-current .,etc			
Fan starting temperature	＞45			
Operating temperature	0-40			
Storage temperature	-15 - +50			
Operating/storage environment	0-90% no condensation			
Product size：W*D*H（mm）	Customized			

RoHS compliant TÜV PRODUCT SERVICE RoHS EN 50146 GS SGS UL LISTED E225994

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