MPPT Solar Charge Controller

TW-GY series (96V\192V\216V\240V\384V Auto 50A\60A\80A\100A)



GY series is a high-power maximum power point intelligent tracking (MPPT) solar charging controller with PV wide voltage range input, adjustable charging voltage, RS485/LAN communication, modular design, small size, light weight and high conversion. The advantages of efficiency, etc., are the highest-end high-power MPPT solar charging controller currently applied to off-grid systems.

Series name	Battery system	PV maximum open circuit voltage	Rated current		
GY-B96-XXA	96V (8*12V)	430V	70A∼100A		
GY-B192-XXA	192V(16*12V)				
GY-B216 (220) -XXA	216V(18*12V)	430V	50A∼100A		
GY-B240-XXA	240V (20*12V				
GY-B384-XXA	384V(32*12V)	850V	70A∼80A		

Characteristics

- .Efficient MPPT controller algorithm, MPPT efficiency is not less than 99.5%, and the conversion efficiency of the whole machine is up to 98%.
- 2. Charging mode: third-order charging (constant current, constant voltage, floating charge) can effectively extend the life of the battery.
- 3. LOAD mode has normally open / normally off mode, light control mode, dual time control mode, light control fixed time control mode.
- 4. Customers can choose to charge 3 types of commonly used batteries (sealed lead-acid batteries, colloidal

lead-acid batteries, open lead-acid batteries), and can customize the parameters to charge other types of batteries.

- 5. With current limiting charging function, when the user's battery board power is too large, the controller automatically maintains the charging power, and the charging current will not exceed the rated value.
- 6. Support multiple machines in parallel to achieve system power upgrade.
- 7. With high-definition LCD display function, you can view the running data and working status of the device, and support the setting of related parameters.
- 8. RS485 communication, can provide communication protocol, convenient for customers to integrate management and secondary development.
- 9. Support PC software monitoring, support WIFI module expansion to achieve app cloud monitoring.
- 10. The products have passed CE, ROHS and FCC certification; they can cooperate with customers to pass various certifications.

11. The normal warranty period is three years, and it can provide 3~10 years extended warranty service.

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GY	Series	GY-B96		6	GY-B192\GY-B216 (220) \GY-B240						GY-B384	
	Power											
	division	70A	80A	100A	50A	60A	70A	80A	100A	70A	80A	
	Controller	Controller with maximum power point tracking (MPF							'T)			
	type											
	MPPT	≥99.5%		≥99.5%		≥99.5%			≥99.5%			
	efficiency											
	System	DC96V			DC192V\DC216V(DC220V)\DC240V					DC384V		
Product Category	voltage	20001								200011		
	Voltage	DC72V~DC128V		DC144V~	-DC256V	\DC162\/ ₂	~DC288\/	\DC180\/	DC288V~DC5			
	identification			DC144V~DC256V\DC162V~DC288V\DC180V ~DC320V					12V			
	range				DO320 V						12 V	
	Heat											
	dissipation	Forced air cooling										
	method											
	Open circuit									DC850V		
	voltage	DC430V		DC430V		DC660V						
	Vmax-pv											
	Start				Vbat+20V		Vbat+20V			Vbat+20V		
	charging	Vbat+20V										
	Vstart-pv											
Input	Low voltage	Vbat+10V										
characteristics	protection			Vbat+10V		Vbat+10V			Vbat+10V			
	Vlow-pv											
	Overvoltage	DC430V		DC430V		DC660V			DC850V			
	protection											
	Vover-pv											
	Rated input	7280	8320	1040	10400W\	12480W\	14560W\	16640W\	20800W\	29120	33280	
		W	W	0	11700W\			1	1		1	

					13000W	15600W	18200W	20800W	26000W		
	Applicable	Spale	d lea	-acid						rid hatte	ry (can
Charging characteristics	battery type	Sealed lead-acid battery, colloidal lead-acid battery, open lead-acid battery (can be customized for other types of batteries)									
	Rated				DC Casto	1111200 101	Culci typ	Co or batt			
	charging	70A	80A	100A	50A	60A	70A	80A	100A	70A	80A
	current										
	charging	Three stages: constant current (fast charge), constant voltage, floating									harge
	method	Three stages. Constant current (last charge), constant voltage, floating									, iaiye
	Load	Same battery			Same	-	_ _	_	_	_	_
	voltage	voltage		voltage							
	Rated load	70A	804	100A	A 50A	60A	-	-	_	-	-
Load	current	7071		100/1					_		
characteristics		Normally open normally closed									
	Load control				control mo	J	_	-	-	-	-
	method	contr		_	control-fi	xed time					
		control mode									
	Display	LCD128*64 dot matrix backlight display									
Display\communic	method	<u> </u>									
ation	communicat	, , , , , , , , , , , , , , , , , , , ,									
	ion method	module expansion to achieve app cloud monitoring									
	Protective	Input and output over-voltage protection, anti-reverse protection, etc.									
	function										
	Working	-20℃~+50℃									
	temperature										
	Storage	-40℃~+75℃									
	temperature										
	IP	IP21									
Other	protection										
characteristics	level						40.01			18.8kg	
	net weight		14.7kg	1	14.	икд		18.8kg		18.6	вкд
	Gross weight		16.6kg	1	16.0	6kg		20.6kg		20.0	6kg
	Product size	371	*500*	187	371*500*187		391*500*227		27	391*500*227	
	(mm)			-			1. 1.5 ==:			23. 333 221	
	Packing size (mm)	590)*420*.	270	590*42	20*270	59	90*440*32	20	590*44	10*320

LCD display

