

KY1(PWM)Solar Charge Controller (50A-200A)

Feature:

- LCD display PV charge, battery and DC loading condition.
- Protection against over charge, over discharge, over load and anti-thunder.
- PWM charging mode, DC mode save cost.



Model K1	Voltage / Current	
KY1-5096	96V 50A	
KY1-50192	192V 50A	
KY1-10096	96V 100A	
KY1-50384	384V 50A	
KY1-100192	192V 100A	
KY1-100240	240V 100A	
KY1-100384	384V 100A	
KY1-15096	96V 150A	
KY1-20096	96V 200A	
KY1-150192	192V 150A	
KY1-150240	240V 150A	
KY1-150384	384V 150A	
KY1-200192	192V 200A	
KY1-200240	240V 200A	
KY1-200384	384V 200A	

Product Parameters

KY1 Parameter								
Rated charging current	50A	100A	50A	100A	150A	200A	150A	200A
Rated system voltage	96V/192V	96V	384V	192V/216V/ 240V/384V	96V		192V/216V/ 240V/384V	
PV input voltage range	96V System : 120V-176V ; 192V System : 240V-352V ; 216V System : 270V-396V ; 240V System : 300V-440V ; 384V System : 480V-704V							
Max PV Input Voltage(At 25°C)	96V System : 200V ; 192V System : 400V ; 216V System : 450V ; 240V System : 500V ; 384V System : 750V							
Number of PV array input routes	1		1				2	
PV Array Maximum Power	5.6KW/11.2KW	11.2KW	22.4KW	22.4KW/25.2KW/ 28KW/44.8KW	16.8KW	22.4KW	16.8KW*2/18.9KW*2/ 21KW*2/33.6KW*2	22.4KW*2/25.2KW*2/ 28KW*2/44.8 KW *2
Battery type	Lead acid battery, deep cycle battery, gel battery etc.(Battery type base on user charge specification)							
Floating voltage	13.8V/Single battery							
Charge voltage	14.2V/Single battery							
Charging protection voltage	15V/Single battery							
Temperature compensation coefficient	-3mV / °C / 2V (25°C is base line)(Optional)							
Charging mode	PWM pulse width control							
Charging method	Three stages : constant current; constant voltage; floating charge							
Efficiency	>95%							
Display	LCD							
Cooling method	Cooling fan in intelligent control							
Type of mechanical protection	IP20							
Operating temperature	-20°C~+60°C							
Storage temperature	-20°C~+70°C							
Elevation	< 5000m , (Less solar panel when exceed 2000m)							
Humidity	5~95% (No condense)							
Protect the circuit	RS232/RS485(Optional)							
Machine size (L*W*Hmm)	340*300*140		460*360*160				500*330*805	
Package size (L*W*Hmm)	400*350*190		520*410*210				570*400*855	
N.W (Kg)	5	6	9	10	11	12	32	33
G.W (Kg)	6	7	11	12	13	14	37	38
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