

SOLAR CONTROLLER

Catalog

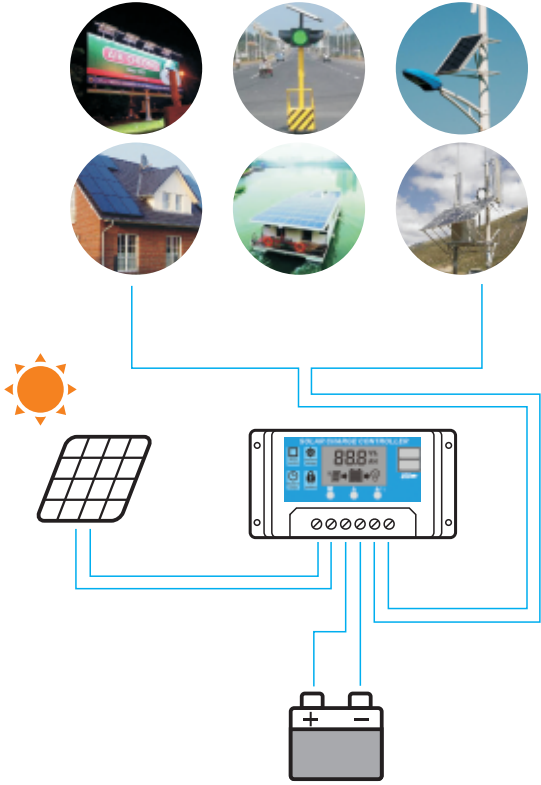




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Application Example





- ▶ LCD Display
- ▶ USB Output
- ▶ Low heat

▶ Technical Parameter

MODEL	RTD1210	RTD1220	RTD1230
Rate Voltage	12V/24V Auto		
Charge Current	10A	20A	30A
Discharge Current	10A	20A	30A
Max Solar Voltage	< 50V		
Low Voltage Disconnect	10.7/21.4V		
Low Voltage Reconnect	12.6/25.2V		
Float Charge Voltage	13.7/27.4V		
Standby Loss Current	< 15mA		
Charging Mode	PWM (Pulse Width Modulation)		
Operating Temperature	-20°C to +60°C		
Size	124*68*33 mm		
USB Output	1		



- ▶ LCD Display
- ▶ USB output
- ▶ Low heat

▶ Technical Parameter

MODEL	KLD1210	KLD1220	KLD1230	KLD4820	KLD4830
Rate Voltage	12V/24V Auto			48V	
Charge Current	10A	20A	30A	20A	30A
Discharge Current	10A	20A	30A	20A	30A
Max Solar Voltage	< 50V			< 100V	
Low Voltage Disconnect	10.7/21.4V			42.8V	
Low Voltage Reconnect	12.6/25.2V			50.4V	
Float Charge Voltage	13.7/27.4V			54.8V	
Standby Loss Current	< 15mA				
Charging Mode	PWM (Pulse Width Modulation)				
Operating Temperature	-20°C to +60°C				
Size	133*70*30 mm				
USB Output	2* 5V/3A				



- ▶ LCD Display
- ▶ low heat
- ▶ bigger wiring terminal
- ▶ thick heat dissipation aluminum plate

▶ Technical Parameter

MODEL	CY20A
Rate Voltage	12V/24V Auto
Charge Current	20A
Discharge Current	20A
Max Solar Voltage	< 50V
Low Voltage Disconnect	10.7/21.4V
Low Voltage Reconnect	12.6/25.2V
Float Charge Voltage	13.7/27.4V
Standby Loss Current	< 15mA
Charging Mode	PWM (Pulse Width Modulation)
Operating Temperature	-20°C to +60°C
Size	165*95*41 mm



- ▶ LCD Display
- ▶ Low heat
- ▶ USB output

▶ Technical Parameter

MODEL	CY20B	CY20C
Rate Voltage	12V/24V Auto	
Charge Current	20A	
Discharge Current	20A	
Max Solar Voltage	< 50V	
Low Voltage Disconnect	10.7/21.4V	
Low Voltage Reconnect	12.6/25.2V	
Float Charge Voltage	13.7/27.4V	
Standby Loss Current	< 15mA	
Charging Mode	PWM (Pulse Width Modulation)	
Operating Temperature	-20°C to +60°C	
Size	170*110*46 mm	
USB Output		2* 5V/3A



- ▶ LCD Display
- ▶ Low heat
- ▶ Thick heat dissipation aluminum plate
- ▶ Temperature compensation

▶ Technical Parameter

MODEL	CY30A	CY50A	CY30A	CY50A
Rate Voltage	12V/24V Auto		48V	
Charge Current	30A	50A	30A	50A
Discharge Current	30A	50A	30A	50A
Max Solar Voltage	< 50V		< 100V	
Low Voltage Disconnect	10.7/21.4V		42.8V	
Low Voltage Reconnect	12.6/25.2V		50.4V	
Float Charge Voltage	13.7/27.4V		54.8V	
Standby Loss Current	< 15mA			
Charging Mode	PWM (Pulse Width Modulation)			
Temp. Compensation	-4mV/Cell/°C			
Operating Temperature	-20°C to +60°C			
Size	170*110*50 mm	183*118*68 mm	170*110*50 mm	183*118*68 mm



- ▶ LCD Display
- ▶ Low heat
- ▶ USB output
- ▶ 3 dc outputs

▶ Technical Parameter

MODEL	CY-X01		
Rate Voltage	12V	24V	48V
Charge Current	10A/20A/30A		
Discharge Current	10A/20A/30A		
Max Solar Voltage	<50V	<50V	<100V
Low Voltage Disconnect	10.7V	21.4V	42.8V
Low Voltage Reconnect	12.6V	25.2V	50.4V
Float Charge Voltage	13.7V	27.4V	54.8V
Standby Loss Current	<10mA	<15mA	
Charging Mode	PWM (Pulse Width Modulation)		
Operating Temperature	-20°C to +60°C		
Size	165*100*45 mm		
USB Output	2* 5V/3A		



- ▶ LCD Display
- ▶ Low heat
- ▶ USB output
- ▶ Plug and play
- ▶ 30A with thick heat dissipation aluminum plate

▶ Technical Parameter

MODEL	CY-X02		
Rate Voltage	12V	24V	48V
Charge Current	10A/20A/30A		
Discharge Current	10A/20A/30A		
Max Solar Voltage	<50V	<50V	<100V
Low Voltage Disconnect	10.7V	21.4V	42.8V
Low Voltage Reconnect	12.6V	25.2V	50.4V
Float Charge Voltage	13.7V	27.4V	54.8V
Standby Loss Current	<10mA	<15mA	
Charging Mode	PWM (Pulse Width Modulation)		
Operating Temperature	-20°C to +60°C		
Size	161*100*45 mm		
USB Output	2* 5V/3A		



- ▶ LCD Display
- ▶ Low heat
- ▶ Thick heat dissipation aluminum plate
- ▶ Temperature compensation

▶ Technical Parameter

MODEL	CM3024	CM3048
Rate Voltage	12V/24V Auto	48V
Charge Current	30A	
Discharge Current	30A	
Max Solar Voltage	<50V	<100V
Low Voltage Disconnect	10.7/21.4V	42.8V
Low Voltage Reconnect	12.6/25.2V	50.4V
Float Charge Voltage	13.7/27.4V	54.8V
Standby Loss Current	<15mA	
Charging Mode	PWM (Pulse Width Modulation)	
Temp. Compensation	-4mV/Cell/°C	
Operating Temperature	-20°C to +60°C	
Size	188*90*48 mm	



- ▶ LCD Display
- ▶ Low heat
- ▶ Thick heat dissipation aluminum plate
- ▶ Temperature compensation

▶ Technical Parameter

MODEL	CM5024	CM6024	CM5048	CM6048
Rate Voltage	12V/24V Auto		48V	
Charge Current	50A	60A	50A	60A
Discharge Current	50A	60A	50A	60A
Max Solar Voltage	<50V		<100V	
Low Voltage Disconnect	10.7/21.4V		42.8V	
Low Voltage Reconnect	12.6/25.2V		50.4V	
Float Charge Voltage	13.7/27.4V		54.8V	
Standby Loss Current	<15mA			
Charging Mode	PWM (Pulse Width Modulation)			
Temp. Compensation	-4mV/Cell/°C			
Operating Temperature	-20°C to +60°C			
Size	188*130*62 mm			



- ▶ LED indicator
- ▶ Different working modes
- ▶ Low heat

▶ Technical Parameter

MODEL	KT1205	KT1210	KT1215	KT1220
Rate Voltage	12V/24V Auto			
Charge Current	5A	10A	15A	20A
Discharge Current	5A	10A	15A	20A
Max Solar Voltage	< 50V			
Low Voltage Disconnect	11.2/22.4V			
Low Voltage Reconnect	12.6/25.2V			
Float Charge Voltage	13.8/27.6V			
Standby Loss Current	< 15mA			
Charging Mode	PWM (Pulse Width Modulation)			
Operating Temperature	-20°C to +60°C			
Size	139*90*20 mm			



- ▶ LED indicator
- ▶ Different working modes
- ▶ Low heat
- ▶ Thick heat dissipation aluminum plate

▶ Technical Parameter

MODEL	KT1230	KT1240	KT4810	KT4820	KT4830	KT4840
Rate Voltage	12V/24V Auto		48V			
Charge Current	30A	40A	10A	20A	30A	40A
Discharge Current	30A	40A	10A	20A	30A	40A
Max Solar Voltage	< 50V		< 100V			
Low Voltage Disconnect	11.2/22.4V		44.8V			
Low Voltage Reconnect	12.6/25.2V		50.4V			
Float Charge Voltage	13.8/27.6V		55.2V			
Standby Loss Current	< 15mA					
Charging Mode	PWM (Pulse Width Modulation)					
Operating Temperature	-20°C to +60°C					
Size	143*90*35 mm					



- ▶ LED indicator ▶ different working modes
- ▶ low heat ▶ 30A with thick heat dissipation aluminum plate

▶ Technical Parameter

MODEL	KTD1205	KTD1210	KTD1215	KTD1220	KTD1230
Rate Voltage	12V/24V Auto				
Charge Current	5A	10A	15A	20A	30A
Discharge Current	5A	10A	15A	20A	30A
Max Solar Voltage	< 50V				
Low Voltage Disconnect	11.2/22.4V				
Low Voltage Reconnect	12.6/25.2V				
Float Charge Voltage	13.8/27.6V				
Standby Loss Current	< 15mA				
Charging Mode	PWM (Pulse Width Modulation)				
Operating Temperature	-20°C to +60°C				
Size	132*68*35 mm				



- ▶ LED indicator
- ▶ Low heat
- ▶ Different working modes
- ▶ Temperature compensation

▶ Technical Parameter

MODEL	KTF1220	KTF1230	KTF4810	KTF4820	KTF4830
Rate Voltage	12V/24V Auto		48V		
Charge Current	20A	30A	10A	20A	30A
Discharge Current	20A	30A	10A	20A	30A
Max Solar Voltage	< 50V		< 100V		
Low Voltage Disconnect	11.2/22.4V		44.8V		
Low Voltage Reconnect	12.6/25.2V		50.4V		
Float Charge Voltage	13.8/27.6V		55.2V		
Standby Loss Current	< 15mA				
Charging Mode	PWM (Pulse Width Modulation)				
Temp. Compensation	-4mV/Cell/°C				
Operating Temperature	-20°C to +60°C				
Size	140*95*30 mm				



- ▶ Constant current Driver
- ▶ IP68
- ▶ Human body induction

▶ Technical Parameter

MODEL	IRP1205		
Rate Voltage	12V Lead-acid Battery	3S Lithium Polymer Battery	4S Lifepo4 Battery
Charge Current	5A		
Max Output Power	20W (for 3S)		
Efficiency	> 90%		
Max Solar Voltage	< 22V		
Low Voltage Disconnect	10.8V	9V	10.5V
Low Voltage Reconnect	12.6V	10.5V	11V
Float Charge Voltage	13.8V	12.6V	14.4V
Standby Loss Current	< 10mA		
Charging Mode	PWM (Pulse Width Modulation)		
Operating Temperature	-20°C to +60°C		
Size	62*82*21 mm		



- ▶ IP68
- ▶ Remote control
- ▶ Low heat
- ▶ Plug and play

▶ Technical Parameter

MODEL	IR1205	IR1210	IR1215	IR1220
Rate Voltage	12V/24V Auto			
Charge Current	5A	10A	15A	20A
Discharge Current	5A	10A	15A	20A
Max Solar Voltage	< 50V			
Low Voltage Disconnect	11.2/22.4V			
Low Voltage Reconnect	12.6/25.2V			
Float Charge Voltage	13.8/27.6V			
Standby Loss Current	< 15mA			
Charging Mode	PWM (Pulse Width Modulation)			
Operating Temperature	-20°C to +60°C			
Size	82*57*20 mm			



- ▶ IP68
- ▶ Low heat
- ▶ Plug and play

▶ Technical Parameter

MODEL	IR205	IR210	IR220
Rate Voltage	12V/24V Auto		
Charge Current	5A	10A	20A
Discharge Current	5A	10A	20A
Max Solar Voltage	< 50V		
Low Voltage Disconnect	11.2/22.4V		
Low Voltage Reconnect	12.6/25.2V		
Float Charge Voltage	13.8/27.6V		
Standby Loss Current	< 15mA		
Charging Mode	PWM (Pulse Width Modulation)		
Operating Temperature	-20°C to +60°C		
Size	82*45*20 mm		



- ▶ IP67
- ▶ Plug and play
- ▶ Mini size
- ▶ Low heat

▶ Technical Parameter

MODEL	SC0601	SC0603	SC0605	SC1201	SC1203	SC1205
Rate Voltage	6V			12V		
Charge Current	1A	3A	5A	1A	3A	5A
Discharge Current	1A	3A	5A	1A	3A	5A
Max Solar Voltage	<12.5V			<25V		
Low Voltage Disconnect	5.6V			11.2V		
Low Voltage Reconnect	6.3V			12.6V		
Float Charge Voltage	6.9V			13.8V		
Standby Loss Current	<7mA					
Charging Mode	PWM (Pulse Width Modulation)					
Operating Temperature	-20°C to +60°C					
Size	80*38*21 mm					



- ▶ Low heat
- ▶ Plug and play
- ▶ 30A with thick heat dissipation aluminum plate

▶ Technical Parameter

MODEL	DM110	DM120	DM130
Rate Voltage	12V		
Charge Current	10A	20A	30A
Discharge Current	10A	20A	30A
Max Solar Voltage	<25V		
Low Voltage Disconnect	11.2V		
Low Voltage Reconnect	12.6V		
Float Charge Voltage	13.8V		
Standby Loss Current	<10mA		
Charging Mode	PWM (Pulse Width Modulation)		
Operating Temperature	-20°C to +60°C		
Size	132*70*36 mm	161*100*45 mm	



- ▶ Low heat
- ▶ Plug and play

▶ Technical Parameter

MODEL	CMP-10A	CMP-20A
Rate Voltage	12V/24V Auto	
Charge Current	10A	20A
Discharge Current	10A	20A
Max Solar Voltage	< 50V	
Low Voltage Disconnect	11.2/22.4V	
Low Voltage Reconnect	12.6/25.2V	
Float Charge Voltage	13.8/27.6V	
Standby Loss Current	< 15mA	
Charging Mode	PWM (Pulse Width Modulation)	
Operating Temperature	-20°C to +60°C	
Size	101*95*35 mm	



- ▶ Low heat
- ▶ Plug and play
- ▶ USB output

Technical Parameter

MODEL	CMTP01-DU	
Rate Voltage	12V	
Charge Current	10A	20A
Discharge Current	10A	20A
Max Solar Voltage	<25V	
Low Voltage Disconnect	11.2V	
Low Voltage Reconnect	12.6V	
Float Charge Voltage	13.8V	
Standby Loss Current	<10mA	
Charging Mode	PWM (Pulse Width Modulation)	
Operating Temperature	-20°C to +60°C	
Size	133*70*30 mm	
USB Output	1* 5V/3A	



- ▶ Low heat
- ▶ Plug and play

▶ Technical Parameter

MODEL	CMTPO2-1210	CMTPO2-1220
Rate Voltage	12V/24V Auto	
Charge Current	10A	20A
Discharge Current	10A	20A
Max Solar Voltage	< 50V	
Low Voltage Disconnect	11.2/22.4V	
Low Voltage Reconnect	12.6/25.2V	
Float Charge Voltage	13.8/27.6V	
Standby Loss Current	< 15mA	
Charging Mode	PWM (Pulse Width Modulation)	
Operating Temperature	-20°C to +60°C	
Size	133*70*30 mm	



- ▶ Low heat
- ▶ Plug and play

▶ Technical Parameter

MODEL	XTD210	XTD220
Rate Voltage	12V/24V Auto	
Charge Current	10A	20A
Discharge Current	10A	20A
Max Solar Voltage	< 50V	
Low Voltage Disconnect	11.2/22.4V	
Low Voltage Reconnect	12.6/25.2V	
Float Charge Voltage	13.8/27.6V	
Standby Loss Current	< 15mA	
Charging Mode	PWM (Pulse Width Modulation)	
Operating Temperature	-20°C to +60°C	
Size	133*70*30 mm	



- ▶ Low heat
- ▶ USB output
- ▶ Plug and play

▶ Technical Parameter

MODEL	XTD1210	XTD1220
Rate Voltage	12V	
Charge Current	10A	20A
Discharge Current	10A	20A
Max Solar Voltage	<25V	
Low Voltage Disconnect	11.2V	
Low Voltage Reconnect	12.6V	
Float Charge Voltage	13.8V	
Standby Loss Current	<10mA	
Charging Mode	PWM (Pulse Width Modulation)	
Operating Temperature	-20°C to +60°C	
Size	133*70*30 mm	
USB Output	1* 5V/3A	



- ▶ Low heat
- ▶ USB output
- ▶ Plug and play
- ▶ 2 dc outputs

▶ Technical Parameter

MODEL	XDC1210	XDC1220
Rate Voltage	12V	
Charge Current	10A	20A
Discharge Current	10A	20A
Max Solar Voltage	<25V	
Low Voltage Disconnect	11.2V	
Low Voltage Reconnect	12.6V	
Float Charge Voltage	13.8V	
Standby Loss Current	<10mA	
Charging Mode	PWM (Pulse Width Modulation)	
Operating Temperature	-20°C to +60°C	
Size	133*70*30 mm	
USB Output	1* 5V/3A	



- ▶ Full metal housing
- ▶ Thick heat dissipation aluminum plate
- ▶ Plug and play

▶ Technical Parameter

MODEL	KTD1250	KTD1260	KTD4850	KTD4860
Rate Voltage	12V/24V Auto		48V	
Charge Current	50A	60A	50A	60A
Discharge Current	50A	60A	50A	60A
Max Solar Voltage	< 50V		< 100V	
Low Voltage Disconnect	11.2/22.4V		44.8V	
Low Voltage Reconnect	12.6/25.2V		50.4V	
Float Charge Voltage	13.8/27.6V		55.2V	
Standby Loss Current	< 15mA			
Charging Mode	PWM (Pulse Width Modulation)			
Operating Temperature	-20°C to +60°C			
Size	166*112*55 mm			



- ▶ Negative grounded solar charge controller
- ▶ plug and play

▶ Technical Parameter

MODEL	GD1203
Rate Voltage	12V
Charge Current	3A
Max Solar Voltage	<25V
Float Charge Voltage	13.8V
Standby Loss Current	<3mA
Charging Mode	PWM (Pulse Width Modulation)
Operating Temperature	-20°C to +60°C



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