



**TT CHARGER-PORTABLE CHARGER-24/48V-100A
CHGR-TT-PC-24V/48V-100A**



PFC $\geq$ 0.98



Overvoltage protection



Over temperature protection



Short circuit protection

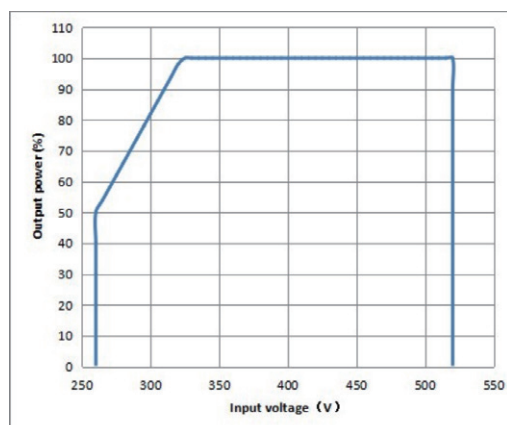


IP20

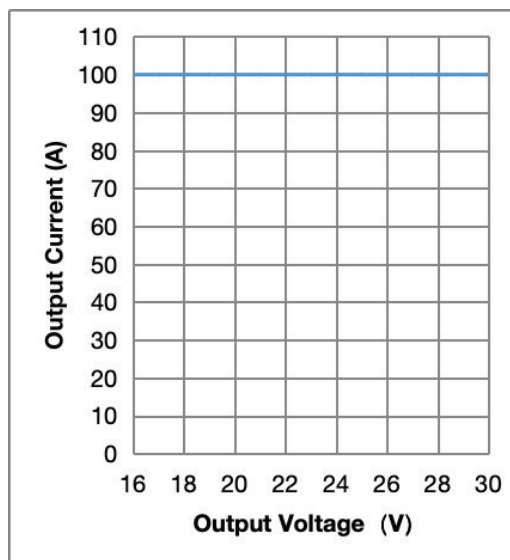
Technical Data

Input	CHGR-TT-PC-24V-100A	CHGR-TT-PC-48V-100A
Voltage range	90-264VAC	
Frequency range	47Hz-60Hz	
Wiring	L、N、PE	
Rated input current	≤16A	≤32A
Power factor	≥0.99@220Vac 50-100% Load	
Output		
Output Voltage	16-30VDC	32-60VDC
Max. Output Power	3200W(190Vac-264Vac)	6400W(190Vac-264Vac)
Max. Output Current	100A	
Voltage regulation accuracy	≤±1.2%Vo	
Ripple and Noise	≤±2%Vo @ 25℃ output full-load (Bandwidth≤20MHz)	
Protection		
Output overcurrent	110% output off (Automatic recovery) , 120% stop charging (Need to restart)	
Output overvoltage	Stop charging when output voltage is greater than the settled voltage 3V	
Input overvoltage	270±2Vac output off, 265±2Vac output recovery	
Input undervoltage	85±2Vac close the output, 90±2Vac output recovery	
Low input voltage derating	90Vac-180Vac output current limited to 50% of the maximum current, Input voltage > 185Vac return to full power output	
Environment		
Working Temp.	-20℃ -+55℃ (>40℃ derating)	
Working humidity	20%-90% (non-condensing)	
Storage temp., humidity	-25℃ -+75℃ , 10-90% RH	
Altitude	≤2000m	
System		
Efficiency	≥91.5%@220Vac 50-100% load (highest over 93%)	≥92.5%@220Vac 50-100% load (highest over 94%)
Communication method	RS485/CAN	
Dimensions	352.4mm×279.4mm×183.8mm	
Weight	12.4kg	14.5kg
Color	Available in yellow, white and blue colors	
Indicator state		
Standby	Green light flashing	
Charging	Steady green light	
Fault	Steady red light	

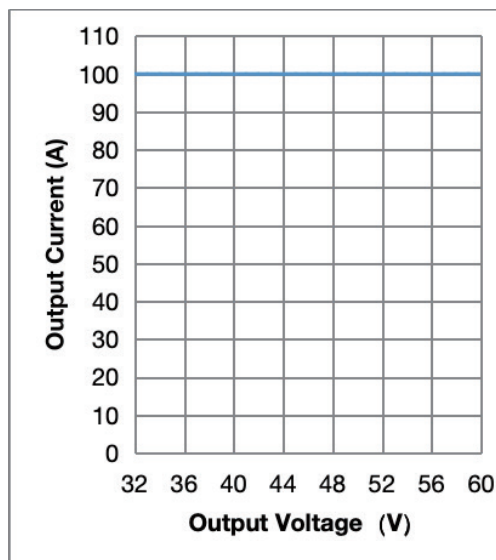
Input Characteristic Curve



Output Characteristic Curve

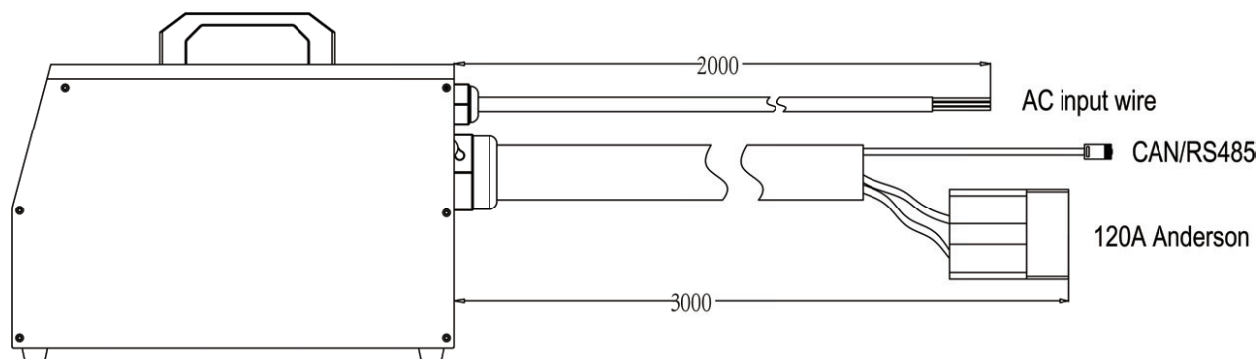


CHGR-TT-PC-24V-100A



CHGR-TT-PC-48V-100A

Wiring Instructions

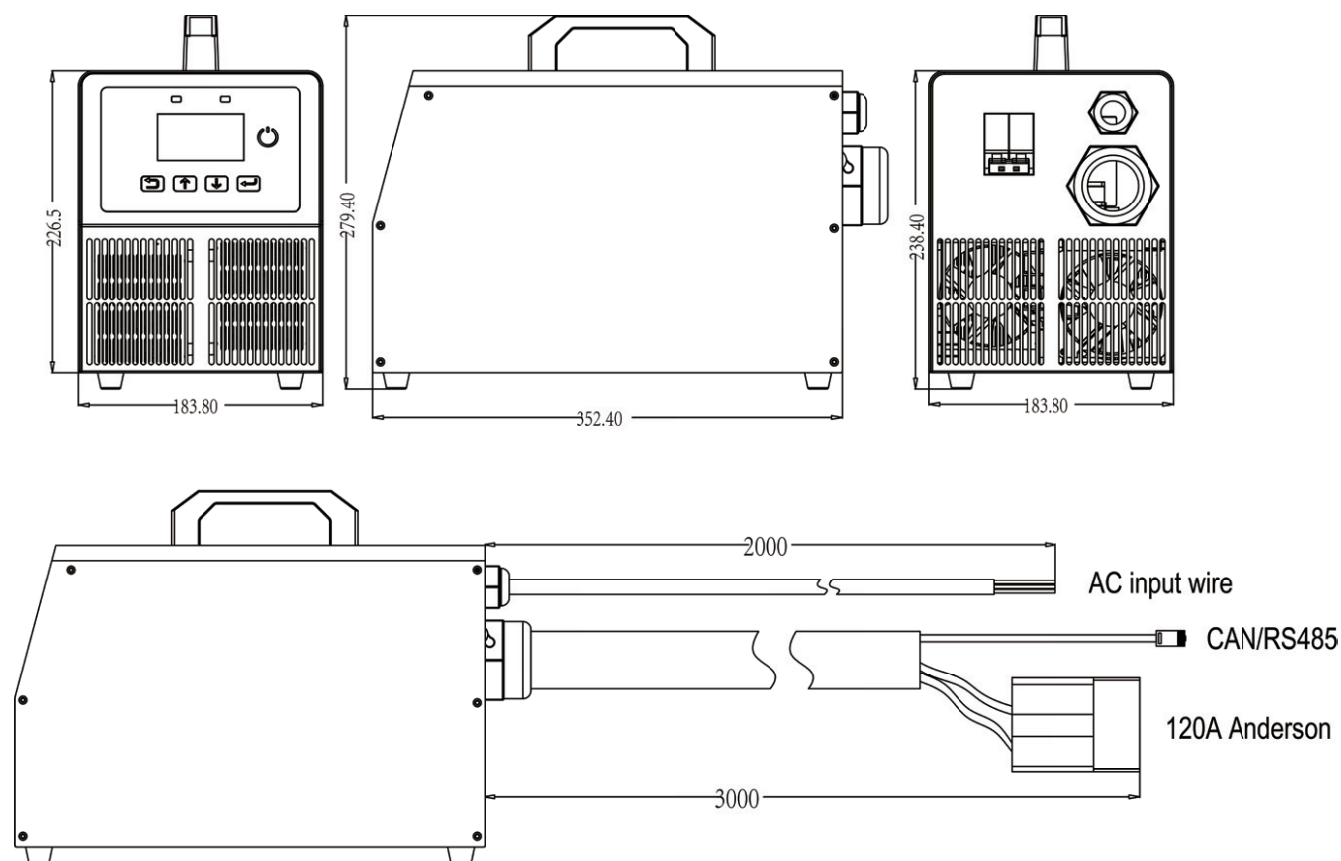


Signal name	Terminal model	Pin number	Pin Description
AC Input	E6012 tubular terminal block	Brown	L
		Blue	N
		Yellow-Green	PE
Battery	120A Anderson	Red	BAT+
		Black	BAT-
CAN	RJ45	1、 2、 3、 6、 8	NC
		4	CANH
		5	CANL
		7	GND
RS485	RJ45	1	485-B
		2	485-A
		3	GND
		4、 5、 6、 7、 8	NC

Application Scenarios



Product Dimensions



(Unit: mm)