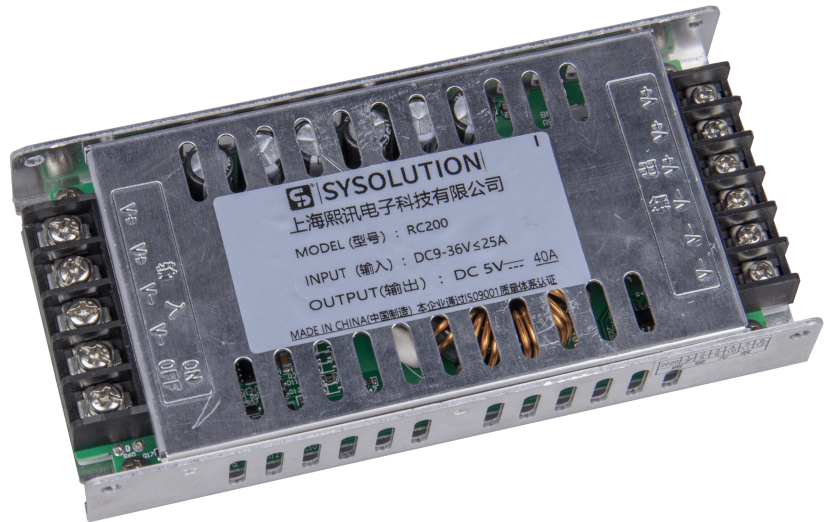




RC200 Series Power

Specification

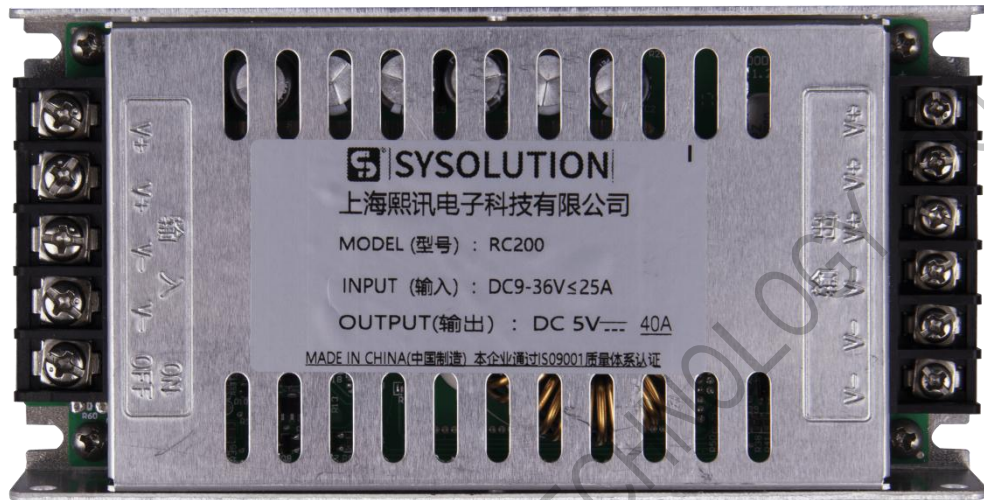
Version: Ver.1.0

Update

No.	Version	Update	Revise
1	Ver.1.0	Initial	2020.07.01

Note: This document is subject to change without prior notice.

Picture Appearance



Features

- a. Output delay protection, extend battery life.
- b. Cryogenic start.
- c. High reliability : 100% full load aging test.
- d. Green LED light- Power supply indication status.
- e. Suitable for taxi-screen application.

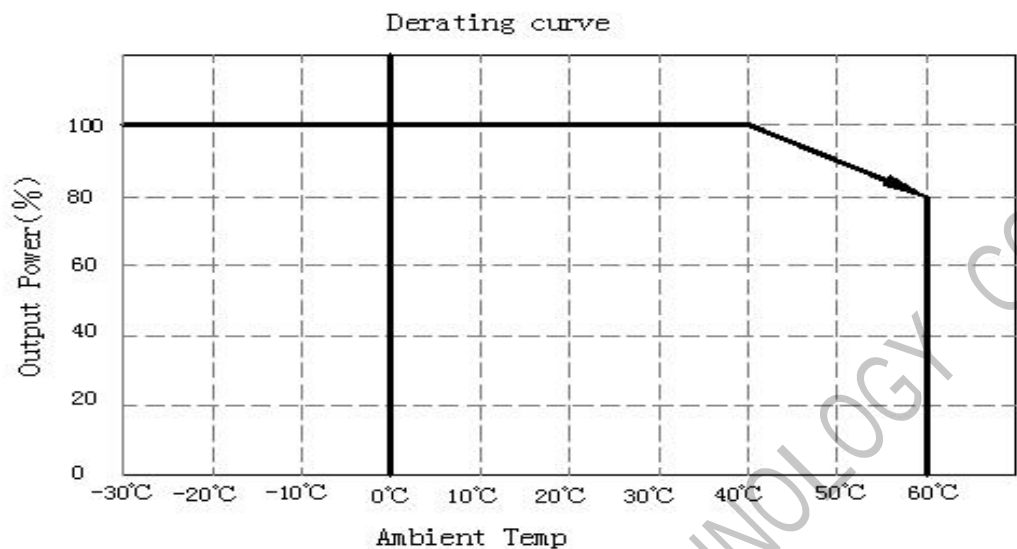
Parameter

Power Model		RC200D4.2	RC200D4.5	RC200D5
Project	Function	Parameter		
Input Characteris tic	Input voltage range	9 ~ 36Vdc		
	Power frequency range	80 ~ 100KHz		
	Maxi input current	25A MAX		
	Full load efficiency	≥87%	≥88%	≥89%
	Input impulse current (Cold boot)	Less than 100A, cold start		
Output Characteris tic	Output voltage	4.2V	4.5V	5.0V
	Output voltage error range	±3%	±3%	±3%
		4.07V ~ 4.33V	4.35V ~ 4.65V	4.85V ~ 5.15V
	Output current	0 ~ 40A	0 ~ 40A	0 ~ 40A
	Maxi power	168W	180W	200W
	Ripple and noise	200mVp-p	200mVp-p	200mVp-p

		MAX	MAX	MAX
	Power adjustment rage	$\pm 1\%$		
	Load regulation	$\pm 2\%$		
	Boot delay time	=12S 12Vdc @ full load (Can be custom-ed by request)		
	Output climb time	0.1 ~ 100mS/12Vdc @ full load		
	Output holding time	$\geq 10\text{mS}/12\text{Vdc}$ @ 80% of full load		
Protective Properties	Out put over-current protection	Rated output power 120%-200% protection. Mode : burp mode, automatic recovery after removal of abnormal load conditions		
	Output short circuit protection	Protected mode :burp mode, automatically restored after short circuit condition is removed		
	Output over-voltage protection	Output voltage greater than 6.5V output burp protection		
	Input back connect protection	The input anode and cathode are connected to the reverse power supply		

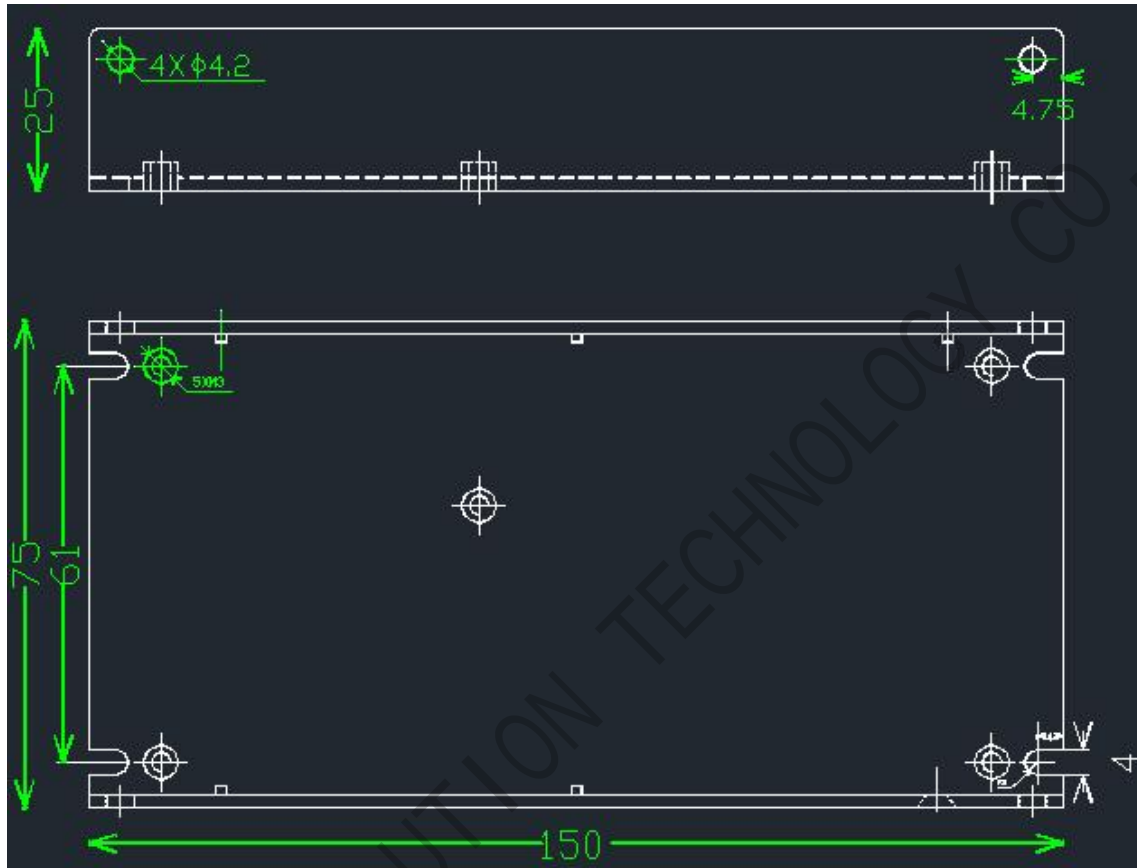
	Over temperature protection	The power supply exceeds the rated power and the overtemperature protection starts
Output Signal	Output instruction	Led Power indication

Working Condition



Work Parameter	
Cooling node	Natural cooling
Working humidity requirement	20 ~ 90% non-condensing
Request of store temperature and humidity	-30 ~ 85°C,10 ~ 95%RH
Vibration specification	10 ~ 500Hz,5G 10min./cycle,60min.each along X,Y,Z axis

Dimension



Unit: mm

Packing Way

Packing way	Bubble bag + Cartons (40 Units/Each box)
Net weight	0.25Kg/Each*40; Each box net10Kg
Rough weigh	10.5Kg
Boundary dimension	315*285*165mm

Notes

- a. The following is the bottom view, the fixing screw is M3, the part of the power supply should be less than 3.5mm, otherwise the power supply may be damaged or cause danger.
- b. The power supply shall be installed directly in the metal box of the system for good heat dissipation. Under poor heat dissipation conditions, it is recommended to use a load of less than 80%.

