



# CHENGDU XINGTONGLI POWER SUPPLY EQUIPMENT CO.,LTD..

## TECHNICAL DATA FOR HIGH FREQUENCY IGBT DC RECTIFIER 40V 7000A(280KW)

NO.	AC INPUT	
1	Model	GKD40-7000CVC
2	Input voltage	480V 3phase 4 wires (415V 3P test in UK)
3	Frequency	50/60hz
4	Max input current	420A/P
5	Max input power	350KW
6	DC Output	
7	DC Output voltage	0~40V continuously adjustable
8	DC Output current	0~7000A continuously adjustable
9	DC output range	0~100% Rated current
10	Output power	0~280KW
11	Output Ripple	≤5%
12	Max rated current Efficiency	≥86%
13	Current adjustmment accuracy	1A
14	Cooling method	water cooling
15	Pulse Output	
16	output minimum pulse	100ms
17	pulse frequency	0~10hz
18	Ton rise time	< 0.5ms
19	Toff fall time	< 0.5ms
20	pulse accuracy	1ms
21	Control System	
22	Control way	Simens 1200+ MCGS touch screen (7' HMI control)
23	PLC interface	RS485
24	Protocal	Modbus
25	Touch screen display	DC /pulse mode select
26		output voltage,current,work time,,work state,fault etc

27	Touch screen control	Output current and voltage adjustment
28		voltage ,current setting,.CC/CV settting
29	<b>Mechanical Structure</b>	
30	Dimension	87*87*197cm
31	Weight	553KG
32	Insulation level	B
33	IP	IP24
34	<b>Protection</b>	
35	under-voltage/ output over current	stop operation itself when exceeding set value
36	overvoltage/overheating	stop operation itself
37	isolation degrade alarm	isolation degrade of output positive and negative bus
38	input overvoltage	stop operation itself
39	Short circuit to earth	isolation degrade of output positive and negative bus
40	<b>Site condition</b>	
41	altitude	≤2200m
42	indoor temperature	10℃~45℃
43	indoor humidity	15%~85%RH
44	load type	capacitive / resistive load
45	<b>Certificate</b>	
46	CE	√
47	Picture	