



Chengdu Xingongli Power Supply Equipment CO.,ltd

TECHNICAL DATA FOR IGBT SWITCH POWER SUPPLY 50V 5000A 250KW

NO.	AC INPUT	
1	Model	GKD50-5000CVC
2	Input voltage	480V 3phase 4 wires (A, B, C +equipment grounded)
3	Frequency	60hz
4	Max input current	425A
		Calculation method:when the input voltage is at its minimum 432V (-10% of the rated input voltage)
5	Max input power	312.5KW
6	Max AC apparent powe	348KVA
7	DC Output	
8	Max DC Output voltage	50V
9	DC Output current	0~5000A continuously adjustable
10	DC output range	0~100% Rated current
11	Output Ripple	≤2%
12	Max rated current Efficiency	≥89%
13	Current adjustmment accuracy	1A
14	Work model	constant current /constant voltage
15	Cooling method	water cooling
16	Control System	
17	Control way	touch screen (7' HMI control)
18	Physical interface	RJ 45& RS485
19	Protocal	S7(Simens) & Modbus RTU
20	Parallel function	Support 4 units 250KW parallel using
21	Touch screen control	Power monitor,parameter set,alarm records,real time curve,set system
22	Monitoring function:	monitor the temparature and flow of coolant
23	Mechanical Structure	
24	Dimension	87*82.5*196cm

25	Weight	500KG
26	Protection	
27	PWM protection	shutdown
28	Output overcurrent protection	current limiting and voltage reduction
29	Overheating Protection	shutdown
30	Primary-Side Current Limit Protection (Output Max Power Limit)	current limiting and voltage reduction
31	Site condition	
32	altitude	≤2200m
33	indoor temperature	10°C~45°C
34	indoor humidity	15%~85%RH
35	load type	capacitive load/resistive load
36	Screen Display	
37	output voltage & output current	√
38	ampere hour value	√
39	work time	√
40	communication state	√
41	power state	√
42	start/stop	√
43	fault display	√
44	Work model	CC/CV
45	alarm reset	√
46	run/alarm indicator	√
47	Emergency stop button	√
48	Certificate	
49	CE	√

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Picture

