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Appendix-1 Power Supply Technical Specification 1

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AC Input Specification

Item	Unit	Min	Normal	Max	Description
Input Voltage	VAC	85	110/120	265	
VDC	120		370	backup	
Input Frequency	Hz	47	50	63	
Input FPC	%	95(230V)		99(115V)	
Input Current	A	1.8(230V)		3.6(115V)	
Impact Current	A	20(115V)		30(230V)	

DC Output Specification

Item	Unit	Min	Normal	Max	Description
Output Voltage	V	28.8		40	
Output Current	A			8.7	
Output Power	W			313.2	
Output Delay Time	mS		20		
Full Load Efficiency	%	82(115V)		85(230V)	
Source Adjust Rate	mV			72	
Transient Current	mV			180	
Temperature Coefficient	/°C			±0.02%	
Ripple and Noise	mV			200	mVp-p

Protection Design

Item	Category	Unit	Min	Normal	Max	Description
Output Protection	Over-voltage	V	41.4		50.4	
Over-current	A		9.2			
Over-temperature		Fan make temperature fall				

Work Environment

Item	Category	Environment Requirement
Work Environment	Operation Temperature	-10°C~+65°C
Storage Temperature	-30°C~+85°C	
Relative Humidity	30%~90%	
Altitude	≤2000 meters	

Interface Definition

Interface Category			AC Input			DC Output											
			Pin	Signal		Pin			Signal								
Interface Definition			1	N		4	-V										
			2	L		5	-V										
			3	G			6	-V									
						7	+V										
						8	+V										
						9	+V										
Pin Sequence			NC	9	8	7	6		5	4	3	2	1	NC			

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