

Features

- ◆ 800 W output power
- ◆ 90Vac-264Vac/180-300Vdc Input
- ◆ 80PLUS® Platinum efficiency
- ◆ N+N Redundant
- ◆ Digital Power Supply
- ◆ Hot-pluggable
- ◆ Active current sharing
- ◆ PMBus® compliant
- ◆ Active Power Factor Correction
- ◆ Conducted/Radiated EMI Class A Limits
- ◆ 40mm*73.5mm*185mm(H*W*D)

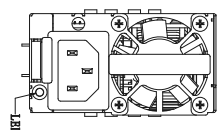
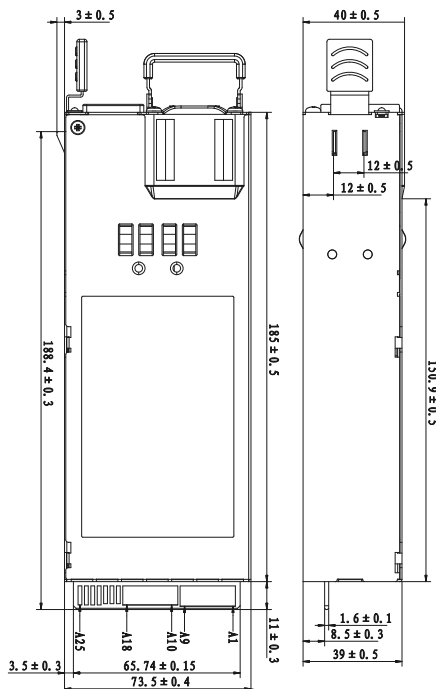
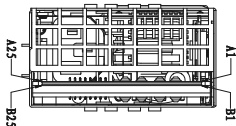


Optimal Design



Applications

- ◆ Repeaters
- ◆ Enterprise Networks
- ◆ Industrial equipments



Input Characteristics		Units	Min.	Typ.	Max.	Notes
AC Input Voltage Range		Vac	90	-	264	1. 100Vac<Vin<127Vac, 12Vo, 46A max. load
DC Input Voltage Range		Vdc	180	-	300	
AC Rated Input Voltage Range		Vac	100	-	127	
		Vac	200	-	240	
DC Rated Input Voltage		Vdc	-	240	-	
Maximum input current	100≤Vrms≤127	A	-	-	7	Maximum rated input current is being tested at 100Vac and 200Vac
	200≤Vrms≤264	A	-	-	3.5	
Frequency		Hz	47	50/60	63	
Power Factor			100% load	0.99	-	
Input Inrush Current		A	-	-	35	25°C, cold start
Output Characteristics		Units	Min.	Typ.	Max.	Notes
Output Voltage set point	12V Main	Vdc	11.4	12	12.6	
	12Vsb	Vdc	11.4	12	12.6	
Output current	12V Main	A	-	-	65	90~264Vac
	12Vsb	A	0.1	-	2.1	
Line Regulation		%Vo	-	-	±5	
Temperature Coefficient		%/°C	-	-	±0.01	
Capacitive Load	12V Main	μF	2000	-	50000	
	12Vsb	μF	10	-	3300	
Ripple and Noise	Vo1	mVp-p	-	-	120	100% load, 20MHz bandwidth, being tested with a 104 ceramic capacitor and a 10μF tantalum
	Vo2	mVp-p	-	-	120	
Turn on/off Overshoot		%Vo	-	-	±5	
12V Main Output Rise Time		mS	5	-	70	Time for Vo to rise from 10% of Vo(nom) to 95% of Vo(nom), 100% load
12Vsb Output Rise Time		mS	1	-	70	Time for Vo to rise from 10% of Vo(nom) to 95% of Vo(nom), 100% load
Turn on Delay Time		s	-	-	3	
Hold Time	12V Main	mS	11	-	-	100% Load
	12Vsb	mS	70	-	4000	
Current Share		%	-	-	±10	50% load-100 load
Hot-plugging			-	-	-	Support hot-plugging, no insulation breakdown at input terminals
Protection Characteristics		Units	Min.	Typ.	Max.	Notes
Input Under Voltage Protection		Vac	72	75	78	50% load, hysteresis≥5Vac
		Vdc	164	167	170	
Input Under Voltage Protection Recovery		Vac	82	85	88	50% load, power-off mode
		Vdc	174	177	180	
Output Over Voltage Protection		12V Main	Vdc	13	14.5	12V power-off mode, 12Vsb automatic recovery
Output Over Current Protection	12V main	A	50	53	57	
	12Vsb	A	2.8	-	5	
Short Circuit Protection		12V main				Power-off mode
		12Vsb				Automatic recovery
Over Temperature Protection						Automatic recovery, hysteresis≥5°C
Efficiency	50% load	%	94	-	-	230Vac/50Hz, The fan is powered by external source, 25°C
General		Units	Min.	Typ.	Max.	Notes
Output Power(220)		W	-	550	-	Total power of +12V and +12VSB
Output Power(110)		W	-	550	-	Total power of +12V and +12VSB
Cooling						Air cooling
Failure Isolation						It can be isolated after the PSU is failure
Vibration						Non-operating, sinusoidal vibration: 5 to 500Hz@0.5gRMS, 0.5 oct/min in each of three mutually perpendicular axes.
Thermal Shock(transportation)						Non-operation: From -40°C to +70°C, 50 cycles, 30°C/minutes, ≥change time≥15°C/minutes, exposure time of
Environment		Units	Min.	Typ.	Max.	Notes
Operating Temperature		°C	0	25	70	Bottom base temperature, ambient temperature
Storage Temperature		°C	-40	-	70	
Relative Humidity		%(H)	0	-	95	Non-condensing, meet the conditions that reaching 95% relative humidity require, dry bulb thermometer 55°C and wet bulb thermometer 54°C
Operating Altitude		m	0	-	5000	
Safety Specification		Notes & conditions				
Safety Certification		IEC62368-1, UL62368-1, EN62368-1 and GB4943.1				
Isolation Voltage(input-output)		1500Vac isolation voltage, test duration 1 minute, leak current less than 10mA, no arcing or breakdown				
Isolation Resistance(input-output)		Isolation resistance ≥10MΩ at 90% relative humidity, non-condensing and 500Vdc test voltage				
Leakage Current(input-ground)		<1mA(264Vac, 50/60Hz input)				
Leakage Resistance		<0.1Ω(25A/2min)				

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