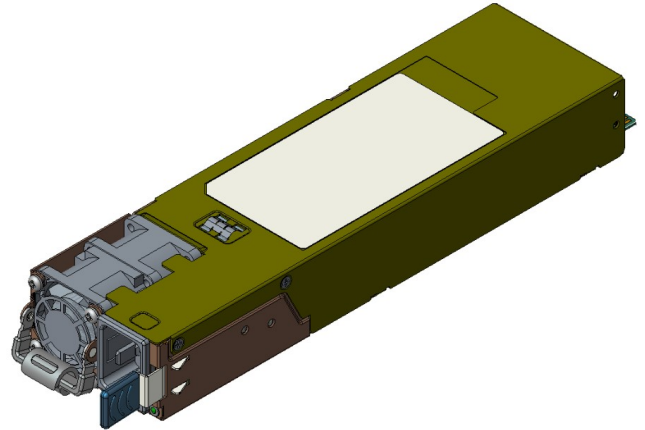


LITEON Server Power Supply 3000W

Features:

- 80 PLUS[®] Platinum
- Holdup Time: 10ms
- AC Input Range 90Vac ~ 264Vac; DC Input Range 164Vdc ~ 300Vdc
- N+M (≤ 4) Redundant power supply with Hot plug, current sharing & remote sensing
- Self-cooling with fan speed control / One Bi-color LED indicators
- PMBus Compliant 1.2
- Protection include OCP, OVP, UVP, OTP and Brownout
- Power Density: 63.39 W/inch³
- 3000W is in 265mm (L) x73.5mm (W) x 40mm (H)
- Altitude: 5,000 meters
- Operating Temperature: 0°C ~ 55°C
- Compliance EMC IEC/EN 6100
- EMI Class A, -6dB margin
- Safety Certificates: IEC/EN 60950-1, IEC/EN62368-1 and UL/ CNS14336-1, CNS13438



Electrical Specifications:

Parameter	Description	Parameter	Description
Input Voltage	AC input 90Vac ~ 264Vac DC input 164V ~ 310V	Main Output Voltage (12VDC)	12.4Vdc ± 6%
		SB Output Voltage (SB)	12Vdc ± 5%
iTHD	50% load < 8%	12VDC Current Rating	242A @ 200Vac~264Vac 121A @ 90Vac~132Vac
Power Factor (PF)	> 0.98 @ 50%load above /230Vac	Capacitive Load	2,200uF ~ 22,000uF
		SB Current Rating	3.5A
Efficiency	94% Peak, 80 PLUS [®] Platinum	Power Rating	3000W @ 230Vac&240Vdc
Redundant	N+N Redundant, 4pcs maximum	Hold Up Time	10ms

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Protection			
Parameter	Description	Parameter	Description
12VDC OCP @ High Line	Current is above 294A for 10s, or Current is above 318.5A for 20ms (Latch mode)	SB OCP	Current is above 4.5A (Hiccup mode)
12VDC OCP @ Low Line	Current is above 134A for 1s (Latch mode)	SB OVP	Voltage is above 13.5V~15V (Hiccup mode)
12VDC OVP	Voltage is above 13.7V~15.2V (Latch Mode)		
12VDC UVP	Voltage is below 10.2V ~ 11.2V (Latch Mode)	Over Temperature	AMB: 75 ; SEC: 125 ; PRI: 113 (Auto recovery mode)
Input Brownout	Voltage is 75~85Vac (Auto recovery mode)	Input OVP	Voltage is above 310Vac OR 350Vdc (Auto recovery mode)
High Line Mode to Low Line Mode	Voltage is below 146Vac for 75ms. (Auto recovery mode)		

Control Signal / Indicate Signal / LED			
Parameter	Description	Parameter	Description
PSON_L	Input signal PSON_L = LOW to turn on 12VDC	PMBus	Version 1.2 I2C interface with 100KHz
		ALERT_L	Output signal ALERT_L = LOW to indicate WARNING event (Event Programmable)
PWOK_H	Output signal PWOK_H = High to indicate the 12VDC existence	LED 1 (AC Input use)	Green Flashing --> Standby mode
			Green Solid --> 12VDC active mode
			Amber Solid --> Fault protection
ACOK_H	Output signal ACOK_H = High to indicate Input existence	LED 2 (DC Input use)	Green Flashing --> Standby mode
			Green Solid --> 12VDC active mode
			Amber Solid --> Fault protection
PS_A0/A1	set PSU address (Support 4 units address)		

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Environment / Reliability			
Parameter	Description	Parameter	Description
Operation Temp.	0°C ~ 55°C	MTBF	200K hours at 80% rated load, 55°C amb. temp.
Operating Humidity	5% ~ 85%	ECAP Life	5 years at rated load, 50°C amb. temp.
Storage Temp.	-40°C ~ 85°C	Air Flow	Normal Mode, From DC to AC
Storage Humidity	5% ~ 95%	Fan Life	5 years at 80% rated load, 55°C amb. temp.
Operating Altitude	5000 meters		

Safety Approvals			IEC/EN 60950-1, IEC/EN62368-1 and UL/CSA62368-1 2nd Ed.		
Insulation safety rating	Input / Output	Reinforce			
	Input / Case	Basic			
	Output / Case	Functional			
Hi-pot strength	Input / Output	2121 Vdc/1min			
	Input / Case	2121 Vdc/1min			
Leakage Current	0.875mA				
EMC Requirements					
Radiated Emissions CISPR 22/ EN55022/ FCC Part 15	Class A / -6dB				
Conducted Emissions CISPR 22/ EN55022/ FCC Part 15	Class A / -6dB				
EN61000-3-2 Harmonics (AC Rated Input Current <=16A per phase)	Class A				
EN61000-3-3 Voltage Fluctuations and Flicker (AC Rated Input Current <=16A per phase)	--				
IEC61000-4-2 ESD	8kV Contact / 15kV Air				
IEC61000-4-3 Radiated Immunity	10V/m, Performance Criteria A required.				
IEC61000-4-4 EFT (5kHz and 100kHz repetition rates)	0.5KV for AC power port, Criteria A.				
EC61000-4-5 Surge (For NEBS requirement)	±2.0 kV CM, ±1.0 kV DM, Criteria A				
IEC61000-4-6 Conducted Immunity	10Vrms, Performance Criteria A required.				
IEC61000-4-11 Voltage dips, short interruptions and voltage variations immunity tests	Requirements for Voltage Dips and Short Interruptions as specified in EN55024, CISPR 24, EN300386, and EN61000-6-1.				

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Dimension:

