

CRPS Server Power Supply

Input: 90-264Vac/180-300Vdc, 36-72Vdc, Output: 12Vdc+12Vsb

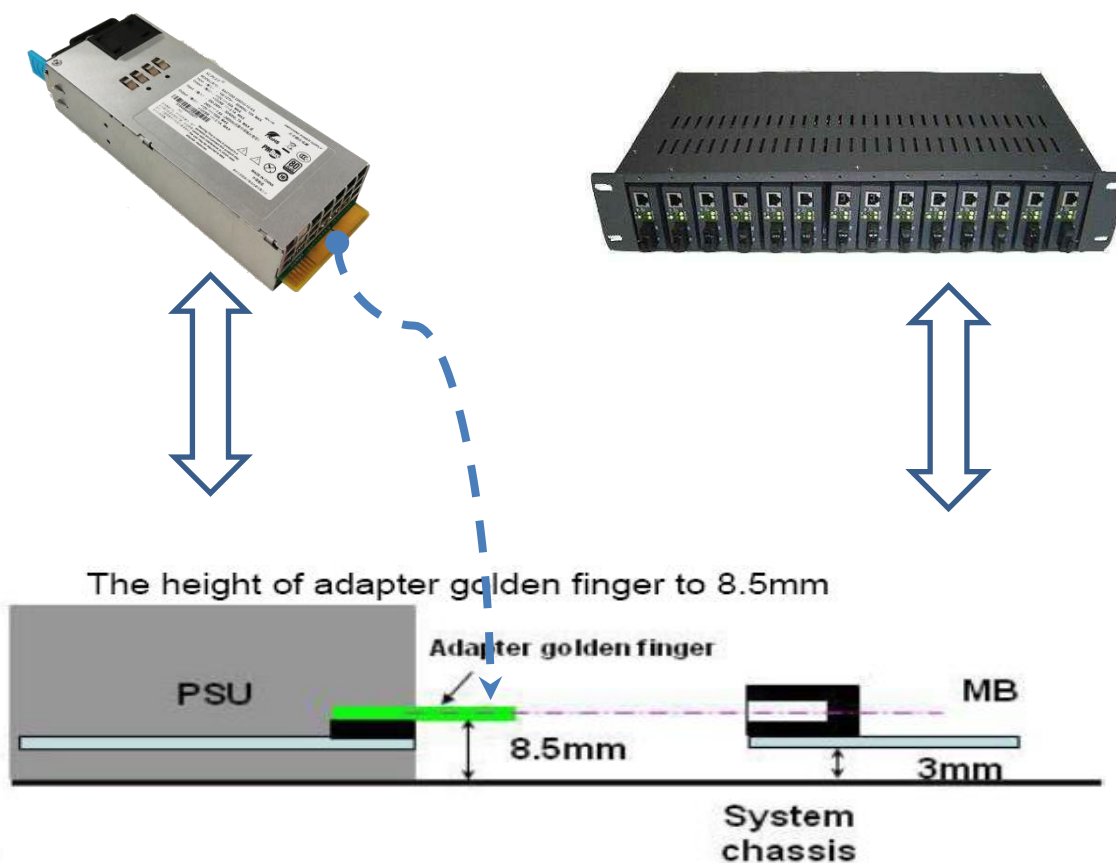
Features

- Input: 90Vac~264Vac, 180~300Vdc, 36~72Vdc
- Output: 12Vdc+12Vsb
- Output power range from 550W-1600W
- 80PLUS® platinum efficiency
- N+N Redundant
- Hot pluggable
- Active current sharing
- PMBus® compliant
- Conducted/Radiated EMI Class A Limits
- CCC/CQC Certificate
- 40mm*73.5mm*185mm(H*W*D)

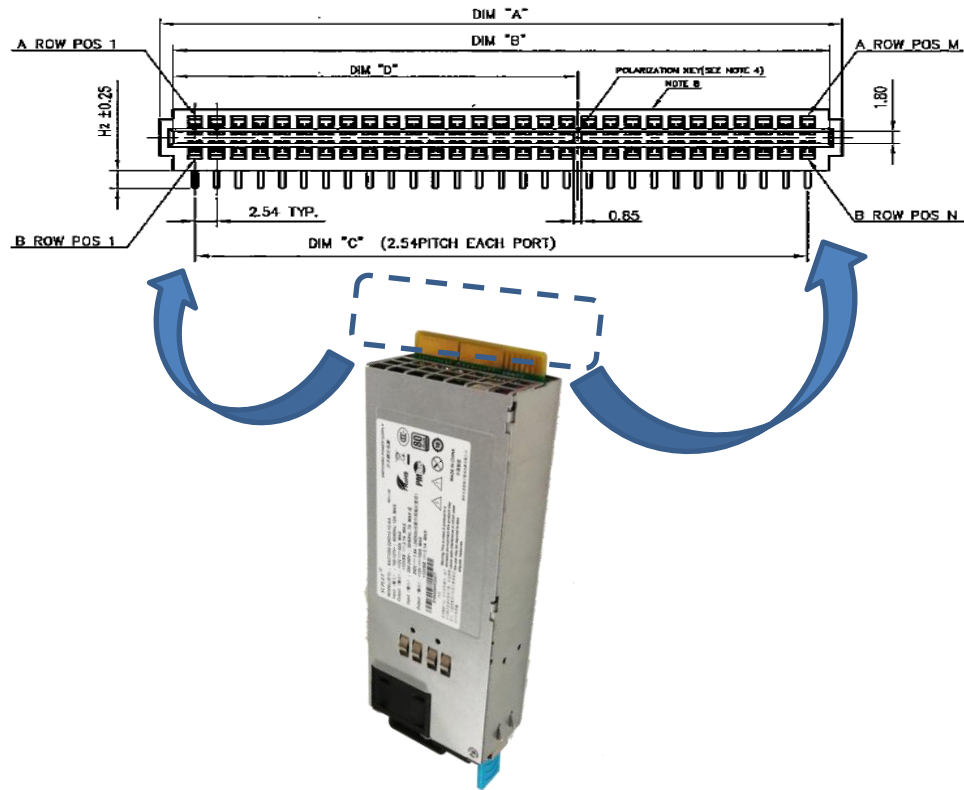


Items	Notes& conditions	Items	Class
Safety Certification	IEC60950, UL60950, EN60950 and GB4943	Conducted Emission	CLASS A
Isolation Voltage (input-output)	1500Vac isolation voltage, test duration 1 minute, leak current less than 10mA, no arcing or breakdown	Radiated Emission	CLASS A
Isolation Resistance (input-output)	Isolation resistance $\geq 10M\Omega$ at 90% relative humidity, non-condensing and 500Vdc test voltage	ESD	+/-8kV contact discharge; +/-15kV air discharge, Criterion R;
Leakage Current (input-ground)	<1.0mA (264Vac, 50/60Hz input)	RS	80MHz-2GHz, 3V/m, 80%AM, criterion A
Leakage Resistance	<0.1 Ω (40A/2min)	CS	150KHz-80MHz, 3Vrms, 80%AM, Criterion A
Cooling	Air cooling	EFT/B	+/-2KV, Criterion A
Failure isolation	It can be isolated after the PSU is failed.	Surge	+/-1KV difference mode; +/-2KV common mode, Criterion A
Vibration	Non-operating, sinusoidal vibration: 5 to 500Hz@0.5gRMS, 0.5 oct/min in each of three mutually perpendicular axes. The test duration shall be 15mins per three vibration. Random vibration: from 5Hz@0.01g ² /Hz to 20 Hz@0.022/Hz (slant). From 20 Hz to 500 Hz@0.022/Hz (flatness). Input acceleration speed=3.13gRMS. The test duration shall be 10 minutes for each axis for a total test duration of 30mins.	Voltage dips and short interruptions	Test duration 10ms, dip to 0%UT, Criterion B Test duration 500ms, dip to 70%UT, Criterion C Test duration 200ms, dip to 40%UT, Criterion C Test duration 5000ms, dip to 0%UT, Criterion C

Parameter	Unit	Notes & conditions	Min	Typ	Max
Operating temperature	°C	Bottom base temperature and ambient temperature	0	25	50
Storage temperature	°C		-40	—	70
Relative humidity	%(H)	Non-condensing, fulfill conditions of 95% relative humidity. 55°C dry bulb thermometer and 54°C wet bulb thermometer	5	—	95
Altitude	m		0	—	5000



Installation
Instruction

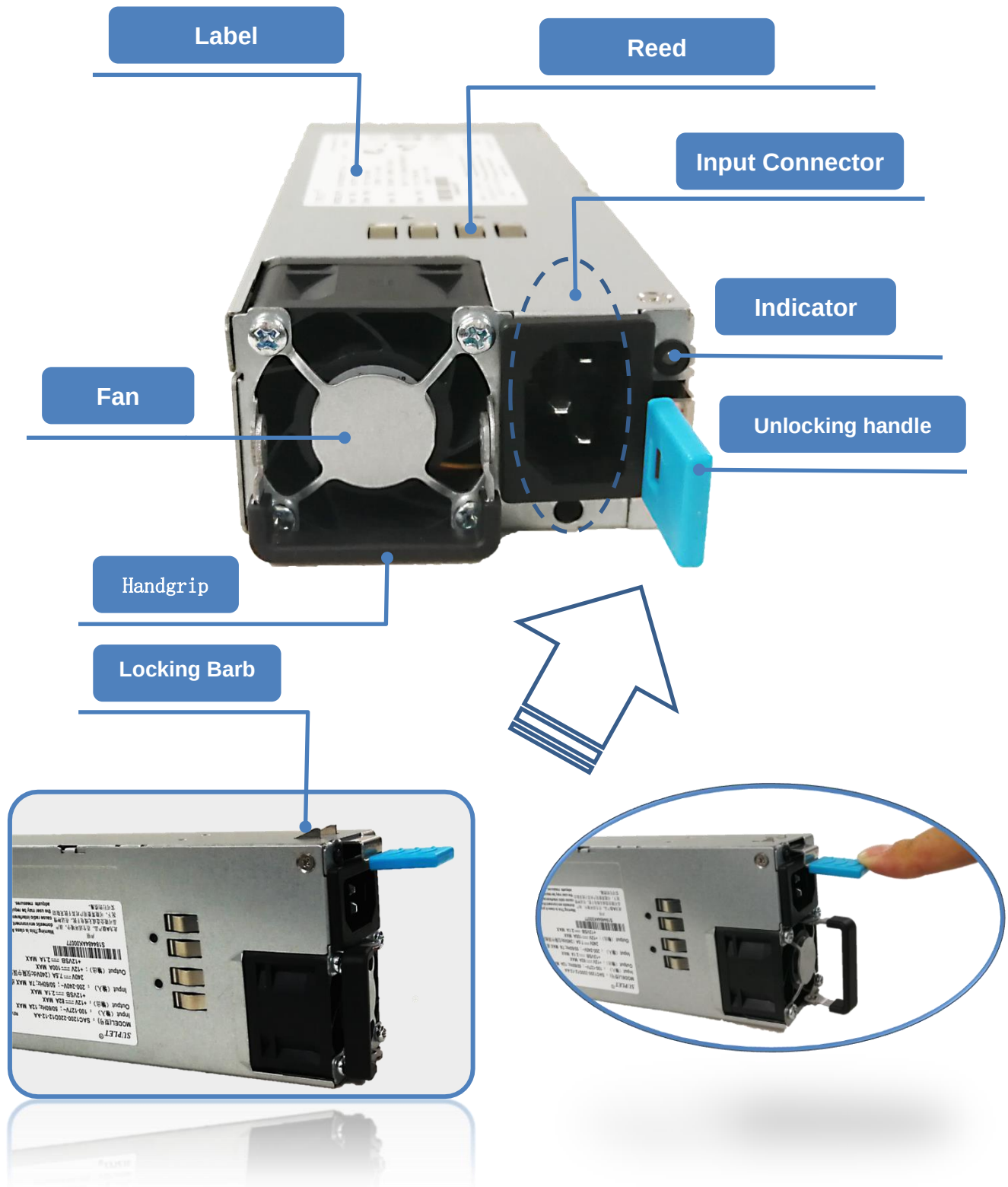


Output & Signal Pins Assignment

Pin No.	Symbol	Pin Type	Pin No.	Symbol	Pin Type
A1-A9	GND	Isolated Ground	B1-B9	GND	Isolated Ground
A10-A18	12V	Isolated Power	B10-B18	12V	Isolated Power
A19	SDA	I/O	B19	A0	Input
A20	SCL	Input	B20	A1	Input
A21	PSON	Input	B21	12VSB	Isolated Power
A22	SMBus ALERT#	Output	B22	CR_1	Analog Input
A23	RETURNS	Analog Input	B23	12LS	Analog I/O
A24	+12VRS	Analog Input	B24	PRESENT	Input
A25	PWOK	Output	B25	Reserved	N/A

CRPS Series

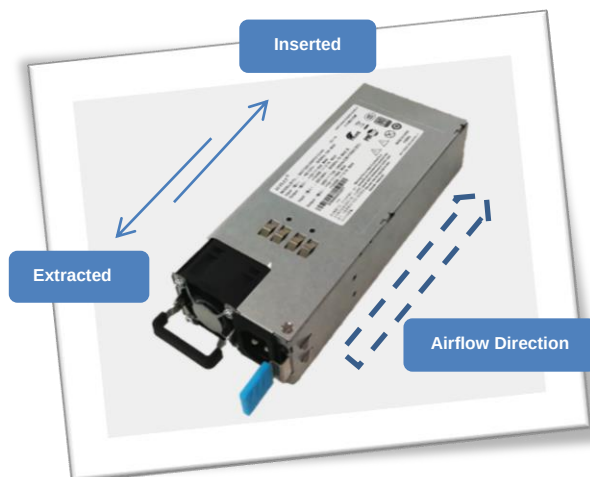
INTEL Server Power



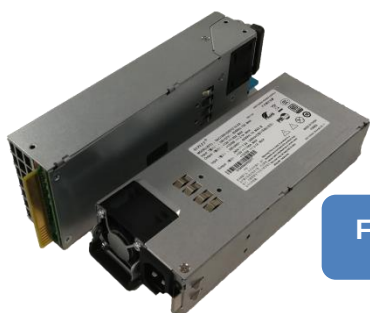
CRPS Series

INTEL Server Power

Front & Rear View, Top & Bottom View



Front & Rear View, Side View



Order information

MPN		AC Input Voltage	Frequency	Input Current		DC Input Voltage	Output Voltage/Output Current	
				110Vac	220Vac		+12V	+12VSB
1	SAC550-220D12-12	90-264Vac	47-63HZ	7A	3.5A	180-300Vdc	45A	2.1A
2	SAC800-220D12-12	90-264Vac	47-63HZ	10A	5A	180-300Vdc	65A	2.1A
3	SAC1200-220D12-12	90-127Vac	47-63HZ	12A	-	-	82A	2.1A
		200-240Vac	47-63HZ	-	7.5A	180-300Vdc	100A	2.1A
4	SAC1600-220D12-12	90-127Vac	47-63HZ	12.5A	-	-	82A	2.1A
		200-240Vac	47-63HZ	-	9.5A	180-300Vdc	132A	2.1A
5	SDC1032-220D12-12	-	-	-	-	36-72Vdc	84A	2.1A

Note: All information contained in this datasheet is subject to change without notice, please visit our official website www.suplet.com for the latest information and refer to the user manual for more details.