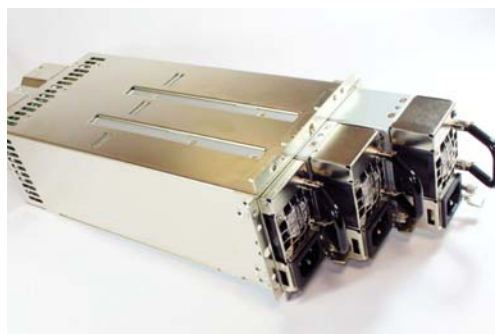


N + 1 Redundant Power Module & System

Output Power : 800W(Module) , 1,500W Redundancy Power System

WP310F11-800R Power Module

WR8003F11-1500 2+1 Redundancy System



Standard Features

- High Reliability, High Efficiency > 90%(Module).
- Built in EMI filter (VDE Level B).
- Hot-Swappable capability.
- Short Circuit, Over Voltage and Over Current Protection on all outputs.

Application

- Server
- Workstation
- Storage System
- IPC , Blade
- Communication , Networking

Electrical Specification

Input Specification:

- **I/P Voltage Range:** 90 – 264Vac
- **I/P Frequency Range:** 47~63Hz
- **Leakage Current:** <3.5mA. At 230V / 50Hz
- **Power Factor:** 0.95 Typical, Complies with EN61000-3-2 Class D
- **Efficiency:** > 90%(Module), > 85%(System)
- **Hold Up Time:** 20mS

Output Specification:

- **Output Voltage:** +3.3V, +5V, +12V, -12V, +5Vsb.
- **Regulation:** All O/P --- ± 5%.
- **Ripple & Noise:** All O/P --- 1%
- **Over Current Protection:** 130 ~ 200% For Main O/P
- **Over Voltage Protection:** 110 ~ 130% For Main O/P
- **No Load Operating:** All O/P Within Regulation.
- **Parallel Operating:** N + 1 = N (N ≤ 2).

Safety compliant with:

- UL/CUL: UL 60950-1 2nd Edition ,
- CSA C22.2 NO. 60950-1-07, 2nd Edition
- CB: IEC 60950-1 2nd Edition , TUV: EN60950-1

Safety Certified To:



ElectroMagnetic Compatibility

- Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024

EMI

- EN55022 Class A , Radio Interference(CISPR 22).
- FCC Part 15 , Subpart J Class A , 115Vac Operation.

Environmental:

- **Operating Temperature:** 0°C to 50°C
- **Storage Temperature:** -40°C to 85°C
- **Relative Humidity:** 5% to 95%

Reliability:

- MTBF > 100KHours

	Model No.	I/P Rating		Voltage	Regulation	Mini. Load	Max. Load(Force Air)	Ripple & Noise P-P mV	O/P Power
Power Module	WP310F11-800R	100 ~ 240Vac	V1	+12V	+/-5%	0.1A	65A	120mV	800W
			V2	-12V	+/-5%	0A	1.2A	120mV	
Power System	WR8003F11-1500	100 ~ 240Vac	V1	+3.3V	+/-5%	0.1A	32A	50mV	1,500W
			V2	+5V	+/-5%	0.1A	32A	50mV	
			V3	+12V	+/-5%	0.1A	120A	120mV	
			V4	-12V	+/-5%	0A	1.2A	120mV	

Note: Both Power Module & Power System With +5Vsb / 4A Output.

N + 1 Redundant Power Module & System

Typical Mechanical Drawing :

Redundancy System : WR8003F11-1500

Power Module : WP310F11-800R

