

110VDC A Series rectifier



1. Switch Mode Power Supply, **Reliability**;
2. Hot swappable and Plug and Play, **Modularity**;
3. N+1 redundancy, each module available in 20A@110Vdc, **Scalability and Flexibility**;
4. AC /DC distribution system for AC input/ DC output distribution and protection;
5. Compact design and embedded modular system, support power system and module sleep, efficient mixing, energy saving;
6. RS232, RS485, SNMP communication for remote control;
7. High Efficiency with low EMI. CE Safety and EMC certification;
8. Protection for Input and output over /under voltage, short circuit and over temperature.

MODEL		A 220/110-20M1	A 220/110-40M2	A 380/110-60M3	A 380/110-100M5	A 380/110-140M7
Configuration		1pcs 110V/20A module +1pcs monitor	2pcs 110V/20A module +1pcs monitor	3pcs 110V/20A module +1pcs monitor	5pcs 110V/20A module +1pcs monitor	7pcs 110V/20A module +1pcs monitor
Environmental	Operating temperature	-40°C ~ 55°C				
	Storage temperature	-40°C ~ 70°C				
	Relative humidity	≤ 90%RH (30°C)				
	Altitude	≤ 2000m (derating is necessary above 2,000m)				
AC Input	AC input system	L+N+PE/220VAC			L1+L2+L3+N/380VAC	
	Input voltage range	90VAC ~ 280VAC			323-437VAC	
	Input AC voltage frequency	45Hz ~ 65Hz				
	Max input current	≤ 28.4A				
	Power factor	≥ 0.99				
DC Output	Nominal output voltage	110VDC				
	Rated output voltage	121VDC				
	Rated Output Capacity	2.5kW	5kW	7.5kW	12.5kW	17.5kW
	Output DC voltage	90VDC ~ -150VDC				
	Output DC current	20A	40A	60A	100A	140A
	Voltage set-point accuracy	≤ 1%				
	Efficiency	≥ 93.2%				
	Noise (peak-peak)	≤ 200mV (0 ~ 20MHz)				
	Weighted noise	≤ 2mV (300Hz ~ 3400Hz)				
AC Input Alarm and Protection	AC input over-voltage alarm point	Default: 280VAC ± 5VAC*				
	AC input under-voltage alarm point	Default: 176VAC ± 5VAC				
	AC input over-voltage protection recovery difference	Default: 295VAC ± 5VAC, 10VAC lower than the AC input over-voltage protection point				
	AC input under-voltage protection point	Default: 180VAC ± 5VAC*				
DC Output Alarm And Protection	DC output over-voltage alarm point	Default: 149VDC ± 0.5VDC*				
	DC output under-voltage alarm point	Default: 90VDC ± 0.5VDC*				
	DC output over-voltage protection point	Default: 97.2VDC ± 0.5VDC*				
	LLVD	Default: 99VDC ± 0.5VDC*				
	BLVD	Default: 97.2VDC ± 0.5VDC*				
Rectifier	Load sharing	The rectifiers can work in parallel and share the current. The unbalance is better than ± 5% rated output current.				
	Derated by input (at 45°C)	The rectifier can output power of 100% with input voltage of ≥ 154VAC; The rectifier can output power capacity 1200W with input voltage < 154VAC; Rectifiers under-voltage stop with input voltage of 85VAC				