

IMP Series Power Supply Module

Powermore 5-33-220/110



MODEL		2200/110-20M1	220/110-40M2	380/110-60M3	380/110-100M5	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	L1+L2+L3+N/380Vac				
	Input voltage range	323 407Vac				
	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 (0Hz ~20Hz)				
AC INPUT ALARM AND PROTECTION	Weighted noise	<2mV (300Hz ~3400Hz)				
	AC input over voltage alarm point	Default : 280VAC ± 5VAC				
	AC input under voltage alarm point	Default : 176VAC ± 5VAC				
	AC input over voltage protection recovery diffarance	Default : 295VAC + 5VAC, 10 VAC lower than the AC input over-voltage protection point				
DC OUTPUT ALARM AND PROTECTION	AC input under voltage protection point	Default : 180VAC ± 5VAC				
	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				
RECTIFIER	BLVD	Default : 97.2VDC ± 0.5VDC				
	Load sharing	The rectifiers can work in parallel and share the current. The unbalance is better than +5% rated output current				
RECTIFIER	Derated by input (at 45 C)	The rectifiers can ouput power of 100% with input voltage of >154VAC. The rectifier can output power capacity 1200W with input voltage < 154VAC; Rectifier under - voltage stop with input voltage of 85VAC				



- Switch Mode Power Supply
- Hot swappable and Plug and Play
- N+1 redundancy each module available in 20A@110Vdc, Max 30pcs modules in one system.
- AC/DC distribution system for AC input / DC output distribution and protection
- RS232, RS485, SNMP communication for remote control.
- Compact design and embedded modular system, support power system and module sleep, efficient mixing, energy saving
- Hight efficiency with low EMLCE Safety and EMC certification.
- Protection for input and output over / under voltage, short circuit and over temperature

IMP Series Power Supply Module

Powermore 5-33-220/220



MODEL		220/220-10M1		220/220-20M2		220/220-30M3		380/220-60M6		380/220-70M6	
CONFIGURATION		1pcs 220V/10A module +1pcs monitor		2pcs 220V/10A module +1pcs monitor		3pcs 220V/10A module +1pcs monitor		6pcs 220V/10A module +1pcs monitor		7pcs 220V/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	220VDC									
	Rated output voltage	242VDC									
	Rated output capacity	2.5kW		5kW		7.5kW		15kW		17.5kW	
	Output DC voltage	90VDC ~ -150VDC									
	Output DC current	10A		20A		30A		60A		70A	
	Voltage set point accuracy	≤1%									
	Efficiency	≥93.2%									
	Noise (peak- peak)	≤200mV (0Hz ~ 20Hz)									
	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 diffarance	Default : 295VAC + 5VAC, 10 VAC 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 rectifiers can ouput power of 100% with input voltage of >154VAC. The rectifier can output power capacity 1200W with input voltage < 154VAC; Rectifier under - voltage stop with input voltage of 85VAC									



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IMP Series Power Supply Module

Powermore 5-33-380/110



TECHNICAL SPECIFICATION

MODEL		380/110-60M3	380/110-120M3	380/110-180M3	380/110-300M3	380/110-600M3
CONFIGURATION		3pcs 110V/20A module +1pcs monitor	6pcs 110V/20A module +1pcs monitor	9pcs 110V/20A module +1pcs monitor	15pcs 110V/20A module +1pcs monitor	30pcs 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	L1+L2+L3+N/380Vac				
	Input voltage range	323 407Vac				
	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	7.5kW	15kW	22.5kW	37.5kW	75kW
	Output DC voltage	90VDC ~ -150VDC				
	Output DC current	60A	120A	180A	300A	500A
	Voltage set point accuracy	≤1%				
	Efficiency	≥93.2%				
	Noise (peak- peak)	≤200mV (0Hz ~20Hz)				
	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 : 293VAC + 5VAC, 10 VAC 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				
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