

MPC Series AC/DC PFC Power supply



Features

- Universal full range AC input
- Built-in active PFC function
- High efficiency up to 90%
- Air cooling by built-in DC fan
- Protections: Short circuit/Over load/Over voltage/Over temperature
- Moisture proof models (Optional)
- LED indicator for power ON
- CCC certificate
- 3-year warranty



Model No.	88-264VAC 124-370VDC		88-264VAC 120-370VDC	90-264VAC 127-320VDC			180-264VAC 254-370VDC	
Input Voltage	88-264VAC 124-370VDC		88-264VAC 120-370VDC	90-264VAC 127-320VDC			180-264VAC 254-370VDC	
Input current	2A/115VAC 1.1A/230VAC	4A/115VAC 2A/230VAC	5.3A/115VAC 2.65A/230VAC	8.2A/115VAC 3.9A/230VAC	12A/115VAC 6A/230VAC	13A/115VAC 7A/230VAC	15.5A/180VAC 12A/230VAC	20A/180VAC 16A/230VAC
Output Voltage Adjustment Range	Please refer to the data sheet for detail							
Surge current	Cold start: 20A/115VAC 40A/230VAC					Cold start: 50A		60A/230VAC
Overload Protection	Protection mode: Hiccup, recover automatically when the fault is removed.		Protection mode: Constant current limiting. Recover automatically when the fault is removed.			Protection mode: Constant current limiting. Shut down O/P in 5s. Recover when restart.	Protection mode: Users can choose between the mode of constant current limiting or constant current limiting then shut down in 5s. Recover when restart.	
Over Voltage Protection	Protection Mode: Shut down O/P. Recover when power restart.							
Over temperature Protection	Protection mode: Shut down O/P. Recover automatically when temperature goes down.							
Safety Standards	UL62368-1, YUV EN62368-1, CCC GB4943.1, EAC TP TC 004, BSMT CNS14336-1					UL62368-1, TUV EN62368-1		
EMC Standards	EN55032 (CISPR32) Class B, EN61000-3-2, -3, GB9254 Class B, GB17625.1, EAC TP TC 020, CNS13438; EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55024, A class light industrial standard, EAC TP TC 020			EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2, -3, EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55024, EN61000-6-2 (EN55082-2), EN61000-6-3, EN61000-1-2, 3, 4, 5, 6, 8, 11			EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2, -3, EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55024, EN61000-6-2 (EN55082-2), EN61000-6-3, EN61000-1-2, 3, 4, 5, 6, 8, 11	
Dielectric strength	I/P-O/P: 3KVAC I/P-FG: 2KVAC O/P-FG: 0.5KVAC							
Operation temperature	-30~+70°C (Refer to "Derating Curve")					-35~+70°C (Refer to "Derating Curve")		-20~+70°C (Refer to "Derating Curve")
Dimension (W*H*D)(mm)	F006/ 215*115*30	F007/ 215*115*30	H001/ 230*127*40.5	H002/ 250*127*41	H003/ 295*127*41	H004/ 295*127*41	A010/278*177.8*63.5	
Weight (Kg)	~0.72	~0.9	~1.3	~1.64	~1.95	~1.95	~3.3	~4

Remark①: Please refer to 'Dimension diagram' for installation;

Remark②: Please ask sales for data sheet for detail specification.

200W				
Model No.	Output	Tol.	R&N	Effi.
MPC200-05	40A 5V	±2%	150mV	85.5%
MPC200-12	16.7A 12V	±1%	150mV	89%
MPC200-24	8.4A 24V	±1%	200mV	89.5%
MPC200-36	5.56A 36V	±1%	220mV	90%
MPC200-48	4.2A 48V	±1%	240mV	90%
500W				
Model No.	Output	Tol.	R&N	Effi.
MPC500-12	41.7A 12V	±1%	150mV	88%
MPC500-24	21A 24V	±1%	150mV	89%
MPC500-48	10.5A 48V	±1%	150mV	90.5%
1000W				
Model No.	Output	Tol.	R&N	Effi.
MPC1000-12	60A 12V	±1%	150mV	83%
MPC1000-24	40A 24V	±1%	150mV	88%
MPC1000-48	21A 48V	±1%	150mV	90%
2400W				
Model No.	Output	Tol.	R&N	Effi.
MPC2400-12	166.7A 12V	±1%	150mV	88%
MPC2400-24	100A 24V	±1%	150mV	90.5%
MPC2400-48	50A 48V	±1%	200mV	91.5%

320W				
Model No.	Output	Tol.	R&N	Effi.
MPC320-05	60A 5V	±2%	150mV	83%
MPC320-12	26.7A 12V	±1%	150mV	88%
MPC320-24	13.4A 24V	±1%	150mV	89%
MPC320-36	8.9A 36V	±1%	220mV	89.5%
MPC320-48	7.3A 48V	±1%	240mV	90%
750W				
Model No.	Output	Tol.	R&N	Effi.
MPC750-12	62.5A 12V	±1%	150mV	87%
MPC750-24	31.3A 24V	±1%	150mV	90.5%
MPC750-48	15.7A 48V	±1%	150mV	92%
2000W				
Model No.	Output	Tol.	R&N	Effi.
MPC2000-12	100A 12V	±2%	150mV	87%
MPC2000-24	80A 24V	±1%	200mV	90.5%
MPC2000-48	42A 48V	±1%	300mV	92%
3000W				
Model No.	Output	Tol.	R&N	Effi.
MPC3000-12	200A 12V	±1%	150mV	87.5%
MPC3000-24	125A 24V	±1%	150mV	90%
MPC3000-48	62.5A 48V	±1%	200mV	91.5%