

Modular Series

General Specification (Please refer to www.meanwell.com for detail spec.)

 UL / CUL / TUV / CB / CE pending

MODEL No.	PFC-450	PFC-650	PFC-1000
AC input voltage range	85~264VAC or 120~370VDC		
Power Factor	PF >0.95 / 230VAC, PF > 0.98 / 115VAC at full load		
AC inrush current (max.)	Cold start, 40A at 230VAC		
Max output wattage	450W	650W	1000W
Efficiency (typical)	83%	85%	85%
Over temperature protection	Output shutdown, auto-recovery		
Fan alarm	Output shutdown when fan malfunction		
Withstand voltage	I/P - O/P: 3KVAC, I/P - FG: 1.5KVAC, O/P - FG: 0.5KVAC, 1 minute		
Working temperature	-20 ~ +50°C@100%, +70°C @ 50% load (refer to output derating curve)		
Safety standards	UL60950-1, TUV EN60950-1		
EMC standards	Compliance to EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, ENV50204, EN55024 light industry level, criteria A		
Connection	Input side: 3P/10mm pitch terminal block & JST B3B-XH		
Dimension (L*W*H) (mm)	254x127x63.5	278x127x63.5	278x177.8x63.5

MS-75: 1-SLOT single output (75W max.)

Item Code	Output	★Peak I	Vdc adj.	Tol.	R&N
L	3.3V, 0~15A	17.3A	2.6~4.0V	±2%	80mV
M	5V, 0~15A	17.3A	4.0~6.0V	±2%	80mV
N	12V, 0~6.3A	7.3A	9.0~13.2V	±1%	150mV
O	15V, 0~5.0A	5.8A	13.2~16.8V	±1%	150mV
P	24V, 0~3.2A	3.7A	20.0~26.4V	±1%	150mV
Q	48V, 0~1.6A	1.8A	40.0~53.0V	±1%	250mV

MS-150: 1-SLOT single output (150W max.)

Item Code	Output	★Peak I	Vdc adj.	Tol.	R&N
A	2V, 0~25A	30A	1.6~2.6V	±3%	50mV
B	3.3V, 0~25A	30A	2.6~4.0V	±2%	80mV
C	5V, 0~25A	30A	4.0~6.0V	±2%	80mV
D	7.5V, 0~18A	20.7A	6.0~9.0V	±2%	100mV
E	12V, 0~13A	15A	9.0~13.2V	±1%	150mV
F	15V, 0~10A	11.5A	13.2~16.8V	±1%	150mV
G	18V, 0~8.5A	9.8A	16.8~20.0V	±1%	150mV
H	24V, 0~6.5A	7.5A	20.0~26.4V	±1%	150mV
I	27V, 0~5.8A	6.7A	25.0~31.0V	±1%	150mV
J	33V, 0~4.7A	5.4A	30.0~40.0V	±1%	250mV
K	48V, 0~3.2A	3.68A	40.0~53.0V	±1%	250mV

MS-300: 2-SLOT parallelable single output (300W max.)

Item Code	Output	★Peak I	Vdc adj.	Tol.	R&N
2A	2V, 0~50A	57.5A	1.6~2.6V	±3%	80mV
2B	3.3V, 0~50A	57.5A	2.6~4.0V	±2%	80mV
2C	5V, 0~50A	57.5A	4.0~6.0V	±2%	80mV
2D	7.5V, 0~40A	46.0A	6.0~9.0V	±2%	100mV
2E	12V, 0~25A	29.0A	9.0~13.2V	±1%	150mV
2F	15V, 0~20A	23.0A	13.2~16.8V	±1%	150mV
2G	18V, 0~16.7A	19.2A	16.8~20.0V	±1%	150mV
2H	24V, 0~12.5A	14.4A	20.0~26.4V	±1%	150mV
2I	27V, 0~11.2A	12.9A	25.0~31.0V	±1%	200mV
2J	33V, 0~9.1A	10.5A	30.0~40.0V	±1%	250mV
2K	48V, 0~6.3A	7.2A	40.0~53.0V	±1%	300mV

MD-100: 1-SLOT isolated dual output (100W max.)

Item Code	Output	Vdc adj.	Tol.	R&N	Max.
R	5V, 2.0~10A	4.75~5.5V	±3%	100mV	90.0W
	5V, 0.0~8A	4.75~5.5V	±3%	100mV	
S	5V, 2.0~10A	4.75~5.5V	±3%	100mV	100.4W
	12V, 0.0~5.8A	11.4~13.2V	±3%	150mV	
T	5V, 2.0~10A	4.75~5.5V	±3%	100mV	101.0W
	15V, 0.0~4.7A	14.2~16.5V	±3%	150mV	
U	24V, 0.5~3.0A	22.8~26.4V	±3%	200mV	100.0W
	5V, 0.0~10A	4.75~5.5V	±3%	100mV	
V	24V, 0.6~3.0A	22.8~26.4V	±2%	240mV	100.8W
	12V, 0.0~4.7A	11.4~13.2V	±3%	120mV	
W	12V, 1.0~5.0A	11.4~13.2V	±2%	120mV	100.8W
	12V, 0.0~5.8A	11.4~13.2V	±3%	120mV	
X	15V, 1.0~4.7A	14.2~16.5V	±2%	150mV	100.5W
	15V, 0.0~4.7A	14.2~16.5V	±3%	150mV	

Parallel Connection Accessory

FAP-001
(For MS-300)



Serial Connection Accessory

FAS-001
(For 1-slot modules)



FAS-002
(For 2-slot modules)



- ★ Peak I: 35% duty cycle maximum within every 10 seconds. Average output power should not exceed the rated power.
- ★ Please use MP450-CNPOQ, MP650-A2EHU, MP1K0-2C2CEKL-1.....etc. as the order code. For more detail information about technical issues, please refer to the user manual.
- ★ Please refer to the user manual for more detail information about parallel connection and the parallel codes. About series connection, please contact us for more details.