



MESTA ELECTRONICS, INC.

## Mesta DPM (Digital Power Manager) Specifications

Model	Total Corrective Current	Enclosure	Dimensions (HxWxD in.)	Weight (est. lbs.)	Losses/ max load (kw)	Fan/ Blower total CFM
3ACDPM050-480-1	50 amps	NEMA 1/ wall mount	56x20x14	275	1.3	345
3ACDPM050-480-O	50 amps	Open Panel	52x16.9x12.7	165	1.3	345
3ACDPM100-480-1	100 amps	NEMA 1/ wall mount	52x27x16	325	2.4	780
3ACDPM100-480-O	100 amps	Open Panel	48.5x22x13.6	200	2.4	780
3ACDPM150-480-1	150 amps	NEMA 1/ wall mount	63x27x16	430	3.6	780
3ACDPM150-480-O	150 amps	Open Panel	59.5x22x13.6	275	3.6	780
3ACDPM200-480-1	200 amps	NEMA 1/ floor mount	77x36x20	800	4.8	1200
3ACDPM300-480-1	300 amps	NEMA 1/ floor mount	77x36x20	850	7.0	1800

### Electrical

Voltage: 480 VAC, 3 phase, 3 wire plus ground  
Frequency: 60 Hz,  $\pm 5$  Hz

### Performance specifications for a properly sized system

Limit harmonic current to  $< 5\%$  TDD immediately upstream of installation point  
Power Factor: Near unity immediately upstream of installation point (if sufficient corrective current is available)  
Line Current Balancing:  $\pm 1\%$  immediately upstream of installation point (if sufficient corrective current is available)  
Efficiency: 97% at full load  
Crest Factor Capability: 3.0

### Overload Protection

Output is electronically current limited to 300% peak, 100% rms of current rating  
Fuses provide redundant overload protection  
Over temperature protection

### Indicators and Controls

LEDs indicate; power, system running, maximum load, and fault conditions  
Test Button performs LED test and activates LED indication of advanced fault codes  
RS232 interface for remotes communications with system  
Relay contacts provide system run and fault status (2 relays rated @ 125VAC/0.5A or 24VDC/1.0A)

### Physical

Operating Temperature: 0 to  $+40$  ° C ambient without derating  
Humidity: 95% maximum non-condensing  
Storage Temperature:  $-20$  to  $+40$  ° C  
Cooling: internal forced air  
Power: hardwired internal (top access)

### Options (consult factory)

50 Hz models  
Voltage options  
Enclosure types  
Multiple unit configurations (multiple units can be paralleled to achieve higher current outputs)

Specifications are subject to change without notice.  
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