


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, ± 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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