



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

Touch Screen Display provides detailed information on AC line, load and system operating parameters

Touch Screen Display includes system run, stop, and menu functions

RS232 interface for remotes communications with system

Relay contacts provide system run, fault and max. load status (3 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.

05/06/09