Mesta Electronics, Inc.

DPM™ Active Harmonic Filter Specifications

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| Model | Total Corrective Current | Dimensions (WxHxD in) | Weight (lbs.) | Losses/Max Load (kW) | Airflow (CFM) |
| **NEMA-1 Enclosures** | | | | | |
| 3AC3DPM050-480-1 | 50 | 21x53x14.25 | 230 | .9 | 375 |
| 3AC3DPM100-480-1 | 100 | 21x53x14.25 | 270 | 1.7 | 500 |
| 3AC3DPM150-480-1 | 150 | 27x63.5x16.5 | 440 | 2.5 | 800 |
| 3AC3DPM200-480-1 | 200 | 27x63.5x16.5 | 480 | 3.3 | 900 |
| 3AC3DPM300-480-1 | 300 | 33x75x18 | 630 | 5.1 | 1300 |
| **Open Panel Mounts** | | | | | |
| 3AC3DPM050-480-0 | 50 | 16.9x45x12.7 | 135 | .9 | 375 |
| 3AC3DPM100-480-0 | 100 | 16.9x45x12.7 | 175 | 1.7 | 500 |
| 3AC3DPM150-480-0 | 150 | 22x54x13.7 | 245 | 2.5 | 800 |
| 3AC3DPM200-480-0 | 200 | 22x54x13.7 | 280 | 3.3 | 900 |
| 3AC3DPM300-480-0 | 300 | 27x56x13.7 | 400 | 5.1 | 1300 |

**Electrical**

Voltage: 480, 240, 208 VAC +12%, -15%, 3 phase, 3 wire plus ground

Voltage: 600 (rated at 40A, 80A, 120A, 160A, 240A)

Frequency: 60 or 50 Hz, ± 5 Hz

**Performance Specifications**

Limit harmonic current to <5% TDD immediately upstream of installation point (IP) as per IEEE 519-1992, table 10.3

Power Factor: Near unity (.99) immediately upstream of IP

Line Current Balancing: ± 2% immediately upstream of IP

Efficiency: 98% efficient at full load

Crest Factor Capability: 3.0

Parallel Unit Installation: Up to 10 DPM™ units

**Overload Protection**

Output is electronically current limited to 300% peak, 100% rms

Class T fuses provide redundant overload protection

Electronic over temperature protection

**Indicators and Controls**

LCD touchscreen display provides power quality information, operating parameters, operational status

Touchscreen functions: Run, Stop, Menus, Parameter Setup

Ethernet interface for remote communication

LED indicators: Power, Control Status, Power Status

USB data download from front LCD display

Relay contacts provide system run, fault and max load status

(3 relays rated @ 125 VAC/0.5A or 24VDC/1.0A)

Remote Enable Input

**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

Altitude: ≤1000m, derated 1% per 100m above 1000m

Power: hardwired internal (top or bottom access)

**Options (consult factory)**

50 Hz models (Model Number ,50)

Voltage options (Model Number /400)

Ethernet/IP (Model Number /EIP)

Modbus TCP (Model Number /TCP)

Enclosure types

**Third Party Certifications**

UL Listed

CUL Listed

Specifications are subject to change without notice

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