

Mesta Electronics, Inc.

### DPM™ Active Harmonic Filter Specifications

Model	Total Corrective Current	Dimensions (WxHxD in)	Weight (lbs.)	Losses/Max Load (kW)	Airflow (CFM)
<b>NEMA-1 Enclosures</b>					
3AC2DPM050-480-1	50	21x53x14.25	230	.9	375
3AC2DPM100-480-1	100	21x53x14.25	270	1.7	500
3AC2DPM150-480-1	150	27x63.5x16.5	440	2.5	800
3AC2DPM200-480-1	200	27x63.5x16.5	480	3.3	900
3AC2DPM300-480-1	300	33x75x18	630	5.1	1300
<b>Open Panel Mounts</b>					
3AC2DPM050-480-0	50	16.9x45x12.7	135	.9	375
3AC2DPM100-480-0	100	16.9x45x12.7	175	1.7	500
3AC2DPM150-480-0	150	22x54x13.7	245	2.5	800
3AC2DPM200-480-0	200	22x54x13.7	280	3.3	900
3AC2DPM300-480-0	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,  $\pm$  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:  $\pm$  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 and RS232 interfaces for remote communication

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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Mesta Electronics, Inc.

Phone: 412-754-3000

11020 Parker Drive

Phone: 800-535-6798

North Huntingdon, PA 15642

Fax: 412-754-3016

[www.mesta.com](http://www.mesta.com)

Email:[mesta@mesta.com](mailto:mesta@mesta.com)