

DM SERIES 0.6 TO 20 AMPS

Acme's new flagship line of DM Series DC power supplies are an innovative solution to a vast array of control applications. Designed to provide optimal performance with a minimal impact on installation time and space.

Currently available in single phase and three phase models from 0.6 to 20 Amps (15-480 watts) these new power supplies provide the convenience of DIN-rail mounting for a toolless installation and the versatility of a standard auto-ranging input to cover the most applications with the fewest models. The slim profile greatly reduces the amount of space taken up on the DIN-rail and within the overall control cabinet. The fully enclosed design is touch proof and CE compliant to meet international specifications. All units are UL 508 listed and can be used at full-rated power.

Solution Ease

The DM families auto-ranging input feature provides you the versatility of using one power supply to address input voltages from 90-264 volts for single phase applications and 340-575 on three phase applications automatically—no adjustments required during installation.

Space Saving

All the Acme Electric "DM Series" power supplies have been designed in a compact, slim profile package compatible with other modules mounted in the control panel.

Installation Made Easy

All housings conveniently snap onto standard 35 mm DIN-rail assuring permanent mounting without the use of any tools.

Features

- Fully enclosed, low profile design
- Touchsafe
- Reduced installation time
- Pluggable connections
- Fast, easy wiring connections
- Simplifies troubleshooting effort
- DIN-rail Mounted
- Mounts on standard DIN-rail
- No tools required
- Local output indication
- Primary switching technology
- Up to Three-year limited warranty

Industries

- Automotive
- Machine tool
- Material handling
- Packaging
- Food processing
- Panel builders
- Automation

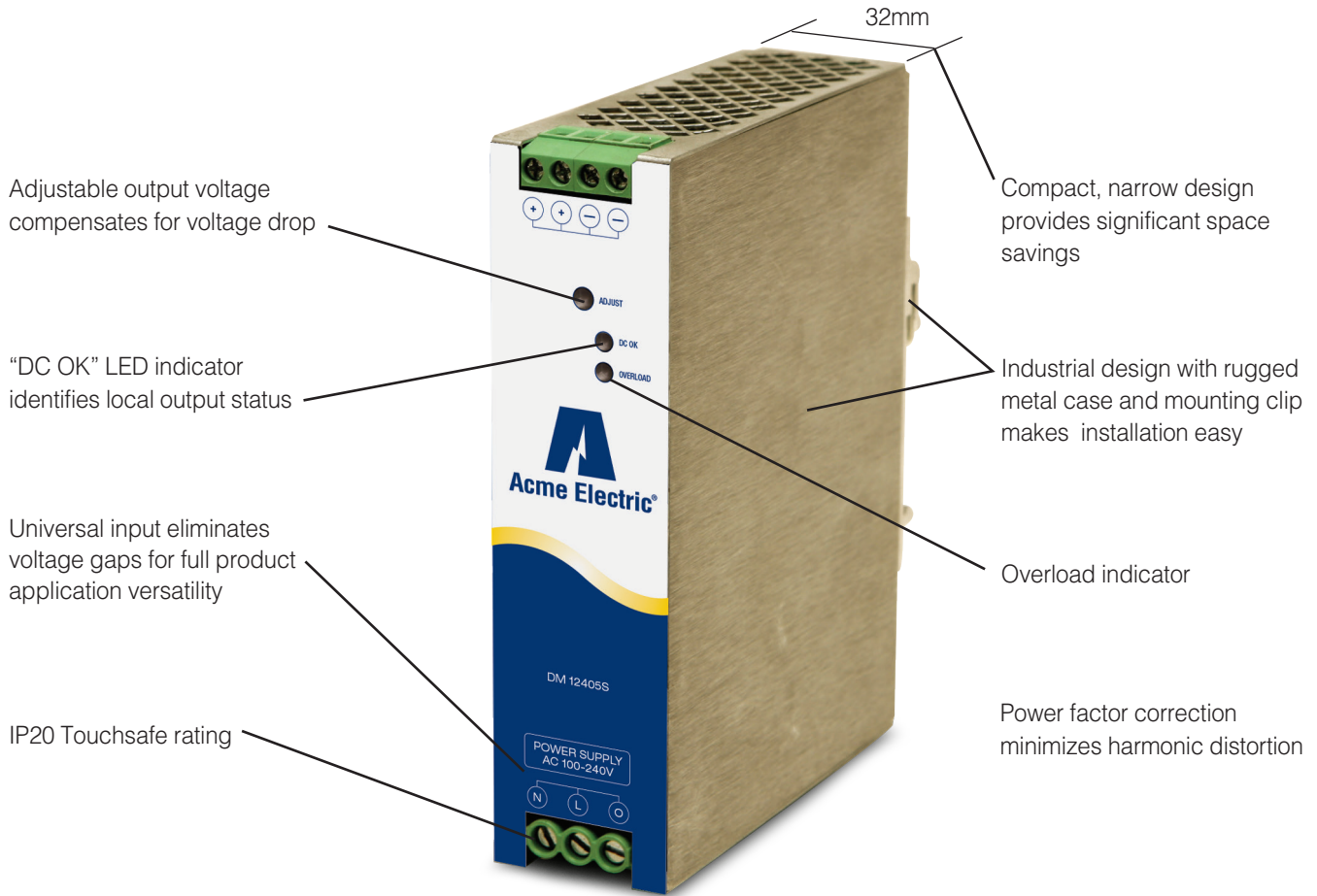
Applications

- Industrial/Machine control
- Process control
- Conveying equipment
- Material handling
- Packaging
- Robotics
- Welding



DM SERIES FEATURES

DC power now comes in a smaller package. Our slimline single phase models measure as small as 32 mm wide to conserve valuable space on the DIN Rail and in the overall control cabinet!



SINGLE PHASE

Catalog Number	Output Power (Watts Max)	Amp Rating	Voltage Range AC	Voltage Range DC	Output Voltage	Efficiency (1)	Operating Temperature	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
DM112045	54 W	4.5–3.4	90–254 VAC	—	12 VDC (10–16 adj)	86%	-10°C to +60°C	4.88 (124)	1.97 (50)	4.13 (105)	1.08 (0.49)
DM124025	60 W	2.5–2.1	90–254 VAC	—	24 VDC (22–28 adj)	87%	-10°C to +60°C	4.88 (124)	1.97 (50)	4.13 (105)	1.08 (0.49)
DM12420	480 W	20.0–17.1	90–254 VAC	—	24 VDC (22–28 adj)	90%	-10°C to +60°C	5.12 (130)	6.14 (156)	4.96 (126)	4.96 (2.25)
DM13613	480 W	13.3–12.0	90–254 VAC	—	36 VDC (34–40 adj)	90%	-10°C to +60°C	5.12 (130)	6.14 (156)	4.96 (126)	4.96 (2.25)
DM1480125	60 W	1.25–1.15	90–254 VAC	—	48 VDC (46–52 adj)	89%	-10°C to +60°C	4.88 (124)	1.97 (50)	4.13 (105)	1.08 (0.49)
DM14810	480 W	10.0–9.2	90–254 VAC	—	48 VDC (46–52 adj)	90%	-10°C to +60°C	5.12 (130)	6.14 (156)	4.96 (126)	4.96 (2.25)

Frequency: 47-63 Hz for all models

1. Depends upon specific model selection, output voltage and/or upon 120 or 240 VAC operation.

SLIMLINE SINGLE PHASE

Catalog Number	Output Power (Watts Max)	Amp Rating	Voltage Range AC	Output Voltage	Efficiency (1)	Operating Temperature	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
DM11206S	72 W	6.0 - 4.8	90-264 VAC	12 VDC (12-15 adj)	87%	-20°C to +60°C	4.88 (124)	1.26 (32)	4.02 (102)	0.92 (0.42)
DM11208S	96 W	8.0 - 6.4	90-264 VAC	12 VDC (12-15 adj)	89%	-20°C to +60°C	4.88 (124)	1.57 (40)	4.45 (113)	1.37 (0.62)
DM11215S	180 W	15.0	90-264 VAC	12 VDC (12-15 adj)	88%	-20°C to +60°C (1)	4.88 (124)	2.36 (60)	4.45 (113)	1.98 (0.9)
DM124033S	80 W	3.4 - 2.8	90-264 VAC	24 VDC (24-28 adj)	90%	-20°C to +60°C	4.88 (124)	1.26 (32)	4.02 (102)	0.92 (0.42)
DM12405S	120 W	5.0 - 4.3	90-264 VAC	24 VDC (24-28 adj)	91%	-20°C to +60°C	4.88 (124)	1.57 (40)	4.45 (113)	1.37 (0.62)
DM12410S	240 W	10.0	90-264 VAC	24 VDC (24-28 adj)	92%	-20°C to +60°C (1)	4.88 (124)	2.36 (60)	4.45 (113)	1.98 (0.9)
DM148017S	80 W	1.7 - 1.4	90-264 VAC	48 VDC (48-56 adj)	90%	-20°C to +60°C	4.88 (124)	1.26 (32)	4.02 (102)	0.92 (0.42)
DM148025S	120 W	2.5 - 2.1	90-264 VAC	48 VDC (48-56 adj)	91%	-20°C to +60°C	4.88 (124)	1.57 (40)	4.45 (113)	1.37 (0.62)
DM14805S	240 W	5.0	90-264 VAC	48 VDC (48-56 adj)	92%	-20°C to +60°C (1)	4.88 (124)	2.36 (60)	4.45 (113)	1.98 (0.9)

Frequency: 47-63 Hz for all models

1. Depends upon specific model selection, output voltage and/or upon 120 or 240 VAC operation.

THREE PHASE

Catalog Number	Output Power (Watts Max)	Amp Rating	Voltage Range AC	Voltage Range DC	Output Voltage	Efficiency (1)	Operating Temperature	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
DM32405	120 W	5.0 - 4.3	340-575 VAC	450-820 VDC	24 VDC (24-28 adj)	89%	-10°C to +60°C	4.96 (126)	2.56 (65)	4.65 (118)	1.65 (0.75)
DM32410	240 W	10.0 - 8.6	340-575 VAC	450-820 VDC	24 VDC (24-28 adj)	89%	-10°C to +60°C	5.12 (130)	3.43 (87)	4.96 (126)	2.76 (1.25)
DM32420	480 W	20.0 - 17.1	340-575 VAC	450-820 VDC	24 VDC (24-28 adj)	90%	-10°C to +60°C	5.12 (130)	6.14 (156)	4.96 (126)	4.85 (2.20)

Frequency: 47-63 Hz for all models

1. Depends upon specific model selection, output voltage and/or upon 120 or 240 VAC operation.

PLASTIC

Catalog Number	Output Power (Watts Max)	Amp Rating	Voltage Range AC	Output Voltage	Efficiency (1)	Operating Temperature	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
DMP1504	20 W	4.4 - 3.64	90-264 VAC	5 VDC (4.5-5.5 adj)	75%	-10°C to +50°C	3.54 (90)	0.90 (22.8)	4.02 (102)	0.35 (0.16)
DMP1120125	15 W	1.25 - 1.07	90-264 VAC	12 VDC (10-14 adj)	78%	-10°C to +50°C	3.54 (90)	0.90 (22.8)	4.02 (102)	0.29 (0.13)
DMP112025	30 W	3.0 - 2.14	90-264 VAC	12 VDC (10-14 adj)	84%	-10°C to +50°C	3.54 (90)	0.90 (22.8)	4.02 (102)	0.35 (0.16)
DMP11204	50 W	5.0 - 3.57	90-264 VAC	12 VDC (10-14 adj)	83%	-10°C to +50°C	3.54 (90)	1.26 (32)	4.02 (102)	0.51 (0.23)
DMP11502	30 W	2.14 - 1.67	90-264 VAC	15 VDC (14-18 adj)	84%	-10°C to +50°C	3.54 (90)	0.90 (22.8)	4.02 (102)	0.35 (0.16)
DMP124006	15 W	0.68 - 0.54	90-264 VAC	24 VDC (22-28 adj)	81%	-10°C to +50°C	3.54 (90)	0.90 (22.8)	4.02 (102)	0.29 (0.13)
DMP1240125	30 W	1.36 - 1.07	90-264 VAC	24 VDC (22-28 adj)	85%	-10°C to +50°C	3.54 (90)	0.90 (22.8)	4.02 (102)	0.35 (0.16)
DMP12402	50 W	2.27 - 1.79	90-264 VAC	24 VDC (22-28 adj)	85%	-10°C to +50°C	3.54 (90)	1.26 (32)	4.02 (102)	0.51 (0.23)
DMP14801	50 W	1.09 - 0.96	90-264 VAC	48 VDC (46-52 adj)	85%	-10°C to +50°C	3.54 (90)	1.26 (32)	4.02 (102)	0.51 (0.23)

Frequency: 47-63 Hz for all models

1. Depends upon specific model selection, output voltage and/or upon 120 or 240 VAC operation.

DM SERIES DIMENSIONAL DRAWINGS

