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Data Sheet

August 15, 2026

EMERSON / ARTESYN / ASTEC

Emerson / Artesyn / Astec MP6-2V-2V-20 600W Power Supply

The Emerson / Artesyn / Astec MP6-2V-2V-20 is a 600W power supply designed for various applications. It provides reliable and efficient power conversion.

**MODEL****Emerson / Artesyn
/ Astec MP6-2V-
2V-20****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****MP6-2V-2V-20****LISTING**<https://aumictechlabs.com/products/mp6-2v-2v-20-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Emerson/Artesyn/Astec MP6-2V-2V-20 is a 600W modular power supply engineered for industrial, telecommunications, and critical systems requiring configurable multi-output capability. This MP6 platform accommodates five slots and delivers dual 42V at 7.5A outputs, combining flexible architecture with integrated power factor correction and medical-grade isolation.

Technical Specifications

Input Specifications

Input voltage: 85–264 VAC; 120–350 VDC

Input frequency: 47–63 Hz

Internal fuse: 15A

Inrush current: 40A peak maximum with soft start

Power factor correction: Standard, EN61000-3-2 compliant

Efficiency: Up to 85% at full case load

Output Configuration (MP6-2V-2V-20)

Slot #1: 42V at 7.5A (Part Number: 73-552-0048)

Slot #3: 42V at 7.5A (Part Number: 73-552-0048)

Voltage adjustment: $\pm 10\%$ minimum (full range via I2C)

Overall regulation: 0.4% or 20 mV maximum

Ripple (RMS): 0.1% or 10 mV (whichever greater)

Ripple

(peak-to-peak): 1.0% or 50 mV (20 MHz bandwidth limited) Dynamic response: <2% or 100 mV over 25% load step Recovery time: 5 ms early warning before output regulation loss
Environmental Operating temperature: -20 °C to 50 °C (derate to 50% at 70 °C) Storage temperature: -40 °C to 85 °C Humidity: 95% non-condensing Shock/vibration: MIL-HDBK-810E
Key Features Modular five-slot MP6 chassis (2.5 × 5 × 11 inches) Dual isolated 42V outputs at 7.5A per channel Soft-start inrush limiting Field-replaceable internal DC fan cooling I2C interface for margin and voltage adjustment EN60950 safety certification with medical-grade isolation Typical Applications Industrial process control, telecommunications infrastructure, medical equipment, and power distribution where dual isolated 42V supplies, compact footprint, and extended holdover capability are required. Compatibility & Integration The MP6 platform supports field-configurable output modules across five slots. This configuration is one variant within the MP Series; alternative voltage and current combinations are available.

MP62V2V Characteristics / Specifications

PARAMETER	VALUE
Configuration Code	MP6-2V-2V-20
Case Model	MP6
Total Power Low Line Class	600 W maximum
Total Power High Line Class	800 W maximum
Case Dimensions	63.5 mm x 127 mm x 279.4 mm
Case Size Inches	2.5 × 5 × 11
Available Slots	5
Input Voltage AC	85 to 264 VAC
Input Voltage DC	120 to 350 VDC
Efficiency Typical	70 to 80 percent at full case load
Power Factor Typical	0.99 meets EN61000-3-2
Turn On Time AC	1.5 s typical
Inhibit Enable Delay	150 ms typical
Emi Filter	CISPR 22 EN55022 LevelBLeakage Current Standard: 2.0 mA maximum at 240 VAC
Holdover Storage	20 ms minimum
Ac Ok Warning	greater than 5 ms before loss of regulation
Input Fuse Internal	15 A
Case Mass Class	3.2 lb empty case
Single Module Power Classes	210 W 360 W 600 W
Dual Module Power Class	144 W
Triple Module Power Class	36 W
Output Voltage Module Range Class	2 to 60 V singles
Remote Control	TTL global inhibit enable
Inrush Current	soft start limited
Isolation	meets EN60950 class

PARAMETER	VALUE
Harmonic Current	meets EN61000-3-2
Warranty Class	2 years
Manufacturer Brands	Artesyn Emerson Astec

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Leakage Current Standard	2.0 mA maximum at 240 VAC
Holdover Storage	20 ms minimum
Ac Ok Warning	greater than 5 ms before loss of regulation
Input Fuse Internal	15 A
Case Mass Class	3.2 lb empty case
Single Module Power Classes	210 W 360 W 600 W
Dual Module Power Class	144 W
Triple Module Power Class	36 W
Output Voltage Module Range Class	2 to 60 V singles
Remote Control	TTL global inhibit enable
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Notes

This file maps inventory configuration MP6-2V-2V-20 to the published Artesyn modular platform specifications. Installed rail voltages and currents are defined by the module codes in the configuration string. Platform specs from Artesyn MP Series datasheet MP6 case row. Configuration codes such as MP6-2D-2E-4LL-00-688 select module population only.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.