

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

EMERSON / ARTESYN / ASTEC

Emerson / Artesyn / Astec MP6-3W-1L-1Q-00 600W Power Supply

Emerson / Artesyn / Astec Power Supply Modules. Current: share functionality where applicable.

**MODEL****Emerson / Artesyn
/ Astec MP6-3W-
1L-1Q-00****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****MP6-3W-1L-1Q-00****LISTING**<https://aumictechlabs.com/products/mp6-3w-1l-1q-00-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Emerson/Artesyn/Astec MP6-3W-1L-1Q-00 is a 600W modular power supply system engineered for industrial, telecommunications, and enterprise applications requiring configurable output architecture. This MVP Series unit accepts both AC (85–264 VAC) and DC (120–375 VDC) inputs and delivers three independently regulated outputs: 48V at 12.5A, 12V at 17A, and 24V at 8.5A. Active power factor correction exceeds 0.90. Each output supports voltage adjustment, remote sense, and current-share functionality where applicable, with auto-recovery short-circuit protection and continuous overload safeguards across all channels. The compact aluminum chassis (2.5 × 5 × 11 inches) accommodates five available slots and integrates dual 10-position control connectors with gold-plated contacts. Output regulation holds to 0.4% or 20 mV maximum, with ripple performance of 0.1% RMS and 1.0% peak-to-peak (bandwidth 20 MHz).

Dynamic response is less than 2% or 100 mV on a 25% load step, with recovery to within 1% in under 300 μ sec. Global DC OK and Input-OK signals are provided with status indicator LEDs.

Technical Specifications Input: 85–264 VAC or 120–375 VDC; 47–63 Hz; 35 A inrush max @ 115 VAC; 15 A internal fuse Outputs: Slot 1 (3W): 48V @ 12.5A | Slot 2 (1L): 12V @ 17A | Slot 3 (1Q): 24V @ 8.5A Regulation: $\pm 10\%$ adjustment range; 0.4% or 20 mV overall; ± 4 –6% margining per module Ripple: 0.1% RMS (10 mV minimum) and 1.0% peak-to-peak (50 mV minimum), 20 MHz bandwidth Dynamic Response: 2A; current share on outputs ≥ 10 A Global and individual module inhibit/enable controls Input-OK and DC OK status signals with LED indicators Typical Applications

Telecommunications infrastructure, industrial control systems, and enterprise equipment requiring multi-rail DC power with field-adjustable output levels and module-level monitoring. Compatibility & Integration Control interfaces use Molex C-Grid III Series connectors (90142-0010 housing, 90119-2110 crimps). Alternate designation: Analogic 10-60851-01.

MP63W1L1Q Characteristics / Specifications

PARAMETER	VALUE
Configuration Code	MP6-3W-1L-1Q-00
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	
Technical Specifications	
PARAMETER	VALUE
Configuration Code	MP6-3W-1L-1Q-00
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 x 5 x 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 Level B
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
Inrush Current	soft start limited
Isolation	meets EN60950 class

PARAMETER	VALUE
Harmonic Current	meets EN61000-3-2

Specifications

PARAMETER	VALUE
Configuration Code	MP6-3W-1L-1Q-00
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 x 5 x 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
Harmonic Current	meets EN61000-3-2

Warranty Class: 2 years
Manufacturer Brands: Artesyn Emerson Astec

Notes

This file maps inventory configuration MP6-3W-1L-1Q-00 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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

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