

**Aumictech**

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Data Sheet

August 15, 2026

EMERSON / ARTESYN / ASTEC

Emerson / Artesyn / Astec 73-553-0005 Power Supply Module

Emerson / Artesyn / Astec Power Supply Modules. Voltage: ** 380 V $\pm$ 20 V, Voltage: ** Configurable via installed DC-DC converter modu, Current: ** Configurable via installed DC-DC converter modu.



MODEL

**Emerson / Artesyn
/ Astec 73-553-
0005**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

73-553-0005

LISTING

<https://aumictechlabs.com/products/73-553-0005-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Emerson/Artesyn/Astec 73-553-0005 is a configurable modular power supply designed for high-reliability applications requiring flexible DC output configurations. Part of the MVP and MP6 series, this module supports up to 5 DC-DC converter slots, enabling custom voltage and current combinations up to 600 W. The chassis delivers 2.5 × 5 × 11 inches of compact form factor at 2.29 lbs, with industrial-grade shock and vibration tolerance exceeding 50 G's. Full medical safety certification to UL/cUL/EN/IEC 60601-1 3rd Edition with 2 MOOP rating makes it suitable for medical device integration. Current sharing applies to all 10 A and greater outputs; remote sense is standard on outputs above 2 A. Each output includes overload protection, voltage adjustment, and margining capability on single-output modules. Input-OK signaling and status indication are

standard. No preload is required for operation. Technical Specifications Product Family: MVP Series, MP6 Series Model: 73-553-0005 Type: Configurable modular power supply Maximum Power: 600 W (MP6 configurations) Input Voltage: 380 V $\pm$ 20 V, 2.7 A (MVP series supports 85–264 VAC wide-range input) Output Voltage: Configurable via installed DC-DC converter modules Output Current: Configurable via installed DC-DC converter modules Output Slots: Up to 5 DC-DC converter positions Chassis Dimensions: 2.5 × 5 × 11 inches Weight: 2.29 lbs Environmental Shock/Vibration: >50 G's Key Features Current sharing on all outputs rated 10 A or greater Remote sense on outputs >2 A Overload protection on all outputs Voltage adjustment and margining (single-output modules) Input-OK signal with status LED Medical safety: UL/cUL/EN/IEC 60601-1 3rd Edition, 2 MOOP rated No preload requirement Typical Applications Medical devices, industrial control systems, telecommunications infrastructure, and environments demanding configurable multi-output power architectures with full safety certification. Compatibility & Integration The 73-553-0005 accepts single, dual, and triple output DC-DC converter modules from the MVP series converter family. Output configuration is application-specific; module compatibility must be verified against desired voltage and current requirements.

735530005 Characteristics / Specifications

PARAMETER	VALUE
Model	73-553-0005
Instrument Type	MP Series single-output power module
Module Code	3E
Output Voltage	5 V
Maximum Output Current	120 A
Module Power Class	600 W
Slot Width	3
Input Voltage Ac	85 to 264 VAC
Input Voltage Dc	120 to 350 VDC
Power Factor Typical	0.99 meets EN61000-3-2
Efficiency Typical	70 to 80 percent at full case load
Holdover Storage	20 ms minimum
Ac Ok Warning	greater than 5 ms before loss of regulation
Emi Filter	CISPR 22 EN55022 LevelBLEakage Current Standard: 2.0 mA maximum at 240 VAC
Turn On Time Ac	1.5 s typical
Inhibit Enable Delay	150 ms typical
Current Share Threshold	outputs rated 10 A or greater
Remote Sense Threshold	outputs rated greater than 2 A
Overload Protection	all outputs
Voltage Adjustment	all outputs
Margining	single output modules
Input Ok	signal and status indicator LED
Isolation	meets EN60950 class
Harmonic Current	meets EN61000-3-2

PARAMETER	VALUE
Manufacturer	Artesyn / Emerson / Astec

735530005 Specifications

PARAMETER	VALUE
Applications	Configurable MP1/MP4/MP6/MP8 industrial AC-DC rails needing a 5 V high-current single output in a 3 slot module.
Key Features	3E 5 V 120 A 600 W class module
Current share at 10 A and above	Remote sense above 2 A
Technical Specifications	Model: 73-553-0005

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	
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Input Voltage Dc	120 to 350 VDC
Power Factor Typical	0.99 meets EN61000-3-2
Efficiency Typical	70 to 80 percent at full case load
Holdover Storage	20 ms minimum
Ac Ok Warning	greater than 5 ms before loss of regulation
Emi Filter	CISPR 22 EN55022 Level B
Leakage Current Standard	2.0 mA maximum at 240 VAC
Turn On Time Ac	1.5 s typical
Inhibit Enable Delay	150 ms typical
Current Share Threshold	outputs rated 10 A or greater
Remote Sense Threshold	outputs rated greater than 2 A
Overload Protection	all outputs
Voltage Adjustment	all outputs
Margining	single output modules
Input Ok	signal and status indicator LED
Isolation	meets EN60950 class
Harmonic Current	meets EN61000-3-2
Manufacturer	Artesyn / Emerson / Astec

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Manufacturer	Artesyn / Emerson / Astec

Notes

From Astec Power RoHS MP product-composition table (73-553-0005 600 W 5 V row) and Artesyn MP Series datasheet single-output current table plus platform input, holdover, PFC, and share/sense notes. Confirm the installed MP case (MP4/MP6/MP8/MP1) and any parallel-code suffix on the configuration label.

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.