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Data Sheet

August 15, 2026

EMERSON / ARTESYN / ASTEC

Emerson / Artesyn / Astec uMP1T-S2W-S2W-S2W-S2Q-S2Q-S2L-B1-B-406 Power Supply

Emerson / Artesyn / Astec DC Power Supplies. Voltage: ** 85–264 VAC, Current: ** ≤40 A maximum with active AC inrush control.


MODEL

Emerson / Artesyn
/ Astec uMP1T-
S2W-S2W-S2W-
S2Q-S2Q-S2L-B1-
B-406

CALIBRATION

Available on
request

CONDITION

Used

STATUS

In stock

RFQ / SKU

uMP1T-S2W-S2W-
S2W-S2Q-S2Q-
S2L-B1-B-406

LISTING

<https://aumictechlabs.com/products/ump1t-s2w-s2w-s2w-s2q-s2q-s2l-b1-b-406-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Emerson / Artesyn / Astec uMP1T-S2W-S2W-S2W-S2Q-S2Q-S2L-B1-B-406 is a configurable AC-DC power supply engineered for industrial and medical applications requiring multiple isolated outputs in a compact 1U form factor. This modular unit delivers 1000 W to 1200 W across six output modules with independent voltage and current ratings, supporting input from 85–264 VAC or 120–300 VDC. Technical Specifications Series: Artesyn uMP GEN II Input Voltage: 85–264 VAC; 120–300 VDC Output Power: 1000 W–1200 W; >500 W rated minimum Number of Outputs: 6 isolated channels (Module 1–3: 48V 15A @ 200 W each; Module 4–5: 24V 14A @ 200 W each; Module 6: 12V 20A @ 200 W) Efficiency: Up to 91.5% typical at full load (180–264 VAC input)

Power Factor: 0.99 typical with active power factor correction Inrush Current: ≤ 40 A maximum with active AC inrush control Standby Output: 5V @ 2A Output Isolation: $>1\text{ M}\Omega$, 500 VDC Physical Form Factor: Low profile 1U; 1.57" $\times$ 5" $\times$ 10" Key Features Modular output architecture with configurable power distribution across six channels Active power factor correction and inrush current limiting PMBus interface for real-time monitoring, control, and configuration Intelligent thermally managed fan system Module inhibit logic for output control via low or open signals Voltage margining / V-Program capability (± 3 –7% nominal adjustment on single output modules) Field-adjustable output voltage via simple analog V-Program modification (0–5V input for 0–100% scaling) Terminal block, IEC C14, or barrier strip input connection options Typical Applications Critical power distribution in medical instrumentation, industrial control systems, telecom equipment, and multi-rail embedded systems requiring isolated, independently controlled DC outputs with high efficiency and compact packaging. Compatibility & Integration The uMP GEN II family architecture supports daisy-chaining and stacking of multiple units. Parallel operation of adjacent output modules (slots 1, 2, 3; and slots 4, 5) enables current scaling for higher-power single-voltage applications.

UMP1TS2WS2WS2WS2QS2QS2LB1B406 Characteristics / Specifications

PARAMETER	VALUE
Configuration Code	uMP1T-S2W-S2W-S2W-S2Q-S2Q-S2L-B1-B-406
Series	uMP microMP
Input Voltage AC	85 to 264 VAC
Input Voltage DC	120 to 350 VDC limited to 300 VDC medical
Input Frequency	47 to 440 Hz
Inrush Current Peak Maximum	40 A soft start
Efficiency Typical Full Load	up to 91.5 percent
Power Factor Typical	0.99 meets EN61000-3-2
Ump04 Power 85 To 179 Vac	400 W
Ump04 Power 180 To 264 Vac	600 W
Ump09 Power 85 To 179 Vac	550 W
Ump09 Power 180 To 264 Vac	1000 W
Ump10 Power 85 To 179 Vac	1000 W
Ump10 Power 180 To 264 Vac	1200 W
Ump16 Power At 200 To 264 Vac	1800 W
Ump16 Power At 85 To 99 Vac	1000 W
Case Height	1.57 in 40.0 mm
Ump1 Case Dimensions Class	10.11 × 5 × 1.57 in
Ump4 Case Dimensions Class	10.11 × 3.5 × 1.57 in
Holdover Storage	16.7 ms minimum class
Emi	CISPR 22 EN55022 LevelBconducted and radiated
Leakage Current Class	less than 200 uA center tapped method
Input Fuse Ump1 Class	16 A
Standby Power Ump10	less than 13 W
Warranty Class	3 years

PARAMETER	VALUE
Single Module Power Class	200 W S2 modules
Manufacturer Brands	Artesyn Emerson Advanced Energy

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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Standby Power Ump10 16	less than 13 W
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Single Module Power Class: 200 W S2 modules	
Manufacturer Brands: Artesyn Emerson Advanced Energy	

Notes

This file maps inventory configuration uMP1T-S2W-S2W-S2Q-S2Q-S2L-B1-B-406 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 / Advanced Energy uMP Series datasheets. Configuration strings such as uMP1T-S2W-S2W-S2Q-S2Q-S2L-B1-B-406 select case input and 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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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.