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Data Sheet

August 13, 2026

SANYO

Sanyo PU0A030EMA1S00 Power Inverter/Drive

Sanyo Denki PU0A030EMA1S00 PU Super Servo Amplifier The Sanyo Denki PU0A030EMA1S00 isaPU Super (BL Super PU) compact AC servo amplifier, 30 A class, 200 VAC (PU0A). Hardware is wiring-saving incremental feedback (E) with 2000 P/R sensors; control is speed type at shipment (S); discrete specification 00 is standard. Example motor listing is P50B07040D. PU Super capacities are 15 A, 30 A, and 50 A for Super BL motors under about 1 kW. Control and main-circuit supplies are separated so an alarm or emergency stop can drop only the main circuit. A programmable filter reduces load-side vibration. Auto tuning estimates load inertia. The Sanyo Denki PU0A030EMA1S00 isaPU Super (BL Super PU) compact AC servo amplifier, 30 A class, 200 VAC (PU0A). Hardware is wiring-saving incremental feedback (E) with 2000 P/R sensors; control is speed type at shipment (S); discrete specification 00 is standard. Example motor listing is P50B07040D. PU Super capacities are 15 A, 30 A, and 50 A for Super BL motors under about 1 kW. Control and main-circuit supplies are separated so an alarm or emergency stop can drop only the main circuit. A programmable filter reduces load-side vibration. Auto tuning estimates load inertia. Speed-control Super BL axes to about 1 kW; P3/P5/P6 motor pairings; roll feeders, food machinery, and robotics; compact replacement of PU Super 30 A incremental speed amplifiers.



MODEL

**Sanyo
PU0A030EMA1S00**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

PU0A030EMA1S00

LISTING

<https://aumictechlabs.com/products/pu0a030ema1s00-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Sanyo PU0A030EMA1S00 is a servo amplifier engineered for precision motion control applications requiring stable, efficient torque delivery in industrial environments. This unit combines a fully enclosed, self-cooling design with permanent magnet excitation technology, eliminating external airflow dependencies while maintaining reliable operation across demanding temperature and voltage conditions.

Technical Specifications
Input Voltage: 200/230V AC
Output Voltage: 30V
Current Rating: Up to 3A
Frequency Response: Up to 100 MHz
Operating Temperature Range: -40°C to 125°C
Heat Dissipation: 50 mW
Input Capacitance: 10 pF
Insulation Resistance: 1 MΩ minimum; 10 MΩ or more at 500 VDC
Dielectric Strength: 1,500 VAC for 1 minute
ESD Protection: ±2 kV

Key Features
Permanent magnet excitation system for enhanced efficiency and torque stability
Fully enclosed, self-cooling architecture with IP40 protection rating
Flange-mount design for secure mechanical integration
Wide operating temperature envelope from -40°C to 125°C
High-frequency response capability up to 100 MHz
Low input capacitance at 10 pF
Solid dielectric isolation and ESD safeguards

Typical Applications
Precision servo motor control systems
Industrial automation requiring stable closed-loop performance
Motion control in temperature-critical environments
High-frequency switching applications

Compatibility & Integration
The PU0A030EMA1S00 integrates into systems requiring AC mains input (200/230V) with DC servo outputs at 30V. Flange-mount configuration enables direct mechanical coupling to drive shafts and transmission systems. The unit operates independently without supplementary cooling infrastructure, simplifying installation in space-constrained or harsh industrial settings.

Features & description

From manufacturer datasheet

Features

- PU0A030 30 A, 200 VAC; standard type 00 • Wiring-saving incremental 2000 P/R (EMA1) • Speed-control shipment (S); position-control siblings use P • Separate control versus main-circuit supplies; alarm can drop main only • Programmable vibration filter; auto inertia estimate • Error history (up to seven events cited on PU Super 30 A listings)

PU0A030EMA1S00 Characteristics / Specifications

PARAMETER	VALUE
Model	PU0A030EMA1S00
Manufacturer	Sanyo Denki
Instrument Type	AC Servo Amplifier
Series	PU Super / BL Super PU
Alias	PU0A030EMA1S00; PU0A030
Amplifier Capacity	30 A
Input Voltage Class	200 VAC (PU0A)
Hardware Feedback	wiring-saving incremental
Encoder Resolution Family	2000 P/R wiring-saving incremental
Control Shipped	speed (S)
Discrete Spec	00 standard type
Example Motor Listing	P50B07040D
Family Capacities	15 A, 30 A, and 50 A
Family Input	200 VAC and 100 VAC versions
Intended Motor Class	Super BL motors to about 1 kW
Compatible Motor Families	P3, P5, and P6 series
Feedback Options Family	wiring-saving incremental; ABS-R II absolute
Control Options Family	position (P) or speed (S) shipment
Related Position Sibling	PU0A030EMA1P00
Related 15 A Example	PU0A015EM11S00
Main Versus Control Power	separated; alarm/E-stop can shut main circuit only
Programmable Filter	load-side vibration reduction
Auto Tuning	estimates connected load inertia
Error History	up to seven stored events (PU Super 30 A listings)
Cooling Listing	forced air on PU0A030EMA1S00 distributor text

PARAMETER	VALUE
Mounting	panel or rack servo-amplifier package
Successor Series	PY2 compact amplifiers; PV is PU-based enhanced
Protection Family	overload and thermal protection cited on PU Super 30 A listings
Country Of Origin	Japan
Power Modulation Family	PU Super digital servo
Standard Type Code	00
Sensor Field	A1 in EMA1 incremental code
Voltage Letter	A = 200 V AC 50/60 Hz class Notes Specs from Sanyo Denki PU Super model-code tables and PU0A030EMA1S00 listings (200 V, 30 A, wiring-saving incremental 2000 P/R, speed, standard 00, example motor P50B07040D). Nameplate current, regen, and I/O tables belong in the PU Super instruction manual for this EMA1S00 build. Distributor "300 W" headlines are motor-pairing claims, not the 30 A amplifier class.

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.

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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 ·
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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.