DSAPS-2S-100W-V2

Dual Source Automatic Power Shifter • Power Electronics & Conditioning

Engineered for critical environments where uninterrupted dual-source power is mandatory. The DSAPS-2S monitors voltage phase stability on primary grid supply and executes break-before-make transition to auxiliary secondary feed within 4ms upon phase loss or brownout.

KEY ARCHITECTURAL FEATURES

- **Break-before-make phase** interlocked shifting preventing cross-grid short circuits
- **Sub-4ms transfer** latency keeping connected automation microcontrollers and BMS nodes running
- **Auxiliary AU999** telemetry terminal for real-time grid status monitoring at central SCADA
- **Integrated active** surge suppressor and high-frequency EMI noise suppression

VERIFIED TECHNICAL SPECIFICATIONS

Part Number / Order Code	DSAPS-2S-100W-V2
Input Electrical Ratings	230V AC ± 15%, 50 Hz, 100W Continuous / 250W Peak
Supported Field Protocols	AU999 2-Wire Serial & Dry Contact Telemetry
Mounting & Dimensions	Surface Mount / 35mm DIN Adapter (110 x 85 x 38 mm)
Enclosure Rating & Material	Flame Retardant ABS/PC Chassis (IP20)
Ambient Operating Range	-10°C to +50°C Ambient Operating Range
Certification Standards	IEC 60947-6-1, EN 61000-6-3, CE, ISO 9001:2015

TERMINAL BLOCK PINOUT & WIRING ASSIGNMENTS

Terminal / Pin	Designation & Electrical Function
S1-L / S1-N	Primary Grid Mains AC Input (230V 50Hz)
S2-L / S2-N	Secondary Generator / Inverter AC Input (230V 50Hz)
OUT-L / OUT-N	Continuous Output to Critical Load
AU-A / AU-B	AU999 2-Wire Telemetry Signal Pair

Regulatory Compliance Notice: Manufactured and tested strictly in accordance with ISO 9001:2015 quality standards at AISPL Engineering Facility, Mumbai, India. All technical specifications are subject to verification against local BIS / IEC installation guidelines.

✓ VERIFIED BY AISPL MUMBAI LAB
TEST REPORT CERT: AISPL-DS-DSAPS-2026-REV2-OK

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