

SVR series relay type automatic voltage stabilizer, 0.5kVA - 10kVA

Single-phase tap-switching stabilizer for markets where the mains regularly falls to 160-190V or climbs past 250V. Correction is by relay-stepped taps on the transformer, which makes the SVR the economical choice where a +/-8% output window is acceptable and the budget does not stretch to a servo system.

CHOOSING SVR OR SERVO

Relay-type SVR corrects in steps and costs less per kVA; it suits lighting, refrigeration, IT equipment and general single-phase loads. Servo-motor stabilizers (SVC / TND series) correct continuously to about +/-2% and are the right choice for medical devices, CNC controls and laboratory instruments. If the load list mixes both, split the panel rather than over-specifying the whole feed.

MODEL RANGE

Model	Capacity	Input range	Output	Correction
SVR-0.5	0.5VA	160-250V	220V +/-8%	Relay / tap
SVR-1	1VA	160-250V	220V +/-8%	Relay / tap
SVR-1.5	1.5VA	160-250V	220V +/-8%	Relay / tap
SVR-2	2VA	160-250V	220V +/-8%	Relay / tap
SVR-3	3VA	160-250V	220V +/-8%	Relay / tap
SVR-5	5VA	160-250V	220V +/-8%	Relay / tap
SVR-7.5	7.5VA	160-250V	220V +/-8%	Relay / tap
SVR-10	10VA	160-250V	220V +/-8%	Relay / tap

ELECTRICAL SPECIFICATION

Correction type	Relay / tap switching, step correction
Number of phases	Single phase
Input voltage range	160-250VAC standard; wider ranges to order
Output voltage	220VAC (110V versions to order)
Regulation accuracy	+/-8% typical on the relay frame
Frequency	50 / 60 Hz
Protection	Overload and over-voltage cut-out, delayed reconnection after a fault
Cooling	Natural air convection
Enclosure	Plastic front panel, wall-mount or bench frame
Compliance	CE, RoHS; produced under an ISO 9001 quality system

TYPICAL APPLICATIONS

- Home and office equipment

PCs, televisions and air conditioners on weak distribution networks.

- Retail and POS

Keeps card terminals and displays alive through voltage sags.

- CCTV and access control

Stable supply for recorders and camera PSU banks on a shared feeder.

- Small workshops

Single-phase machines and compressors where mains swings below 190V.

- Rural and peri-urban sites

Long low-voltage feeders at the end of a distribution line.

- Telecom and network cabinets

Compact wall-mount frames that fit inside existing enclosures.

SIZING RULE

Add the running load in VA, then apply a factor of 1.3 where motors or compressors are involved, and 1.5 where the load starts frequently or the input voltage regularly drops below 170V. Under-sizing is the most common cause of repeated relay failure in the field.

ORDERING INFORMATION

Minimum order quantity	1 pc for standard models. Trial orders below MOQ can be discussed for first-time buyers.
Custom / OEM orders	50 pcs for custom voltage, custom socket layout, branded front panel or non-standard capacity.
Sample policy	1-2 pcs for verified buyers. Sample lead time 3-5 working days.
Production lead time	10-20 working days for standard models; 15-25 working days for OEM or custom builds.
Packing	Export carton with foam, carton quantity as per the model table.
Payment terms	100% TT in advance for samples and retail orders; 30% deposit, balance before shipment for bulk.
Shipping	FOB Ningbo. CIF and door-to-door available on request.
Warranty	12 months from the delivery date.
Documentation	Packing list and routine test report standard. CE, RoHS, IEC declarations and ISO 9001 records on request.

Request a quotation

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