



Power Inlet & Outlet Boxes

50 Amp Generator Power Inlet Box, NEMA SS2-50P

Generator Inlet Box - NEMA SS2-50P male inlet, twist lock, 50 Amp 125/250 V
The 50 amp inlet box carries a NEMA SS2-50P inlet. SS2-50 is the ship-to-shore configuration: 50 amp, 125/250V, three poles and four wires, with a threaded ring that locks the connector against vibration.
Two 120V legs and a neutral cross the wall to the panel, so the standby side can carry the heavier loads a 50 amp set is bought for. The connector is the same shell used on 50 amp shore cords, so cords and adapters for it are already easy to find.

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Specifications

Label	Value
Product Name:	50 Amp Generator Power Inlet Box, NEMA SS2-50P
Product Type:	Generator Inlet Box
Connector Configuration:	NEMA SS2-50P male inlet, twist lock
Maximum Current:	50 Amp
Voltage Rating:	125/250 V
Number of Poles and Wires:	3-pole 4-wire
Overcurrent Protection:	Not fitted. The circuit protection stays in the panel or transfer switch the box feeds
Enclosure and Cover:	Powder-coated steel enclosure, spring-hinged weatherproof cover, pre-drilled mounting holes and plugged cable entries
Enclosure Material:	Powder-Coated Steel, Weatherproof Cover
Contact Material:	Nickel-Plated Brass, Pure Copper Conductive Parts
Safety Approvals:	ETL listed
Environmental Certifications:	RoHS, REACH, PAHS compliant
Color:	As shown; custom colors available on request
Testing:	Hi-Pot (Dielectric Withstand), Polarity (Pinout) and Continuity
Customization:	OEM / ODM; custom colors, packaging and labeling available
Country of Origin:	Made in China
Packing:	Standard Export Carton

Typical Applications

Whole-house standby installations on a 50 amp portable generator, larger workshops, marinas and yards where a 50 amp shore cord is already the standard lead, and any building where the inlet has to accept a heavy cord without working loose.

Before You Wire It

The generator lead has to be a 50 amp cord with an SS2-50R connector, sized for the run. A 30 amp cord will not seat, and an adapter in the middle of a 50 amp feed adds a joint that has to be rated for the current.

Seat the ring by hand and check it again after the first run. Then confirm the feed lands on a breaker rated for the conductors, not on a main lug that can be live from either side.

Ordering Notes

ETL listed. Samples are available, production runs start at 200 to 1000 pieces with 15 to 20 working days after the order and artwork are confirmed, and private label covers the enclosure label and the packing.

Our other certificated products



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