

Static switch SSW Series

Description

The Delta SSW Series static switch is an electronic switch between the AC mains and the Delta API 1500A series modular inverters to provide an uninterruptible AC power for the equipment. Two standard static switch modules rated for 7.5kVA and 30kVA are available. The static switch is responsible for the system performance and the Delta API 1500A series modular inverters are synchronised to the AC mains.

For energy cost saving reasons, the static switch can be configured to offline mode, where the AC utility is connected to the equipment directly. The inverters will be backup energy source in case of AC utility quality decrease or AC utility failure.

Installation is simplified as all Delta static switches have their connectors at rear and are hot-pluggable. Fan cooling with speed control ensures near silent operation.

Main features

- Energy saving up to 5 % due to architecture
- Energy saving up to 14 % due to Offline system configuration
- High quality AC supply to critical telecom equipment in harsh environment due to Online system configuration
- High performance AC line quality monitoring
- Inbuilt AC overvoltage protection
- Very fast switchover at mains failure
- Synchronisation of the inverters to the AC utility

Applications

SSW Series static switch is used in Delta CeIID, MidD, CabD and OutD systems for:

- Backup AC power for infrastructure equipment
- Network base stations
- Wireless applications
- Fixed line applications, data communications



Delta inverters and static switches combined with our DC power systems provide modular UPS for AC power back-up.

The Delta inverter series complete InD and OutD systems providing total site power solutions and offering new opportunities for energy saving.

Static switch

SSW Series

Technical specifications

1. Input	
Mains voltage	208 / 220V / 230 / 240 Vrms - configurable
Mains frequency	50 / 60 Hz - configurable
EMI (conducted)	EN 55 022, class B
Protection	External protection
AC over voltage protection	Incl. loss of neutral

2. Output	
Nominal system voltage	208 / 220V / 230 / 240 Vrms - configurable
Frequency	50 / 60 Hz - configurable
Power limitation	7.5 kVA ^{*1} 30 kVA ^{*2}
Output THD	2 %
Crest factor	2.8
Overload capability	140 % - Offline Not applicable - Online
EMI (conducted)	EN 55022, class B
Protection	External load distribution

Ordering information	
Description ^{*1}	SSW 7500A-230
Product line number	TPS1030002A
Description ^{*2}	SSW 30000A-230
Product line number	TPS1030003A

3. General	
Efficiency	> 99 %
Control and monitoring	Dry alarm contacts RS 232 - diagnostic and configuration software
User interface	LED display
Dimensions (W x H x D)	220 x 64 x 429 mm ^{*1} 8.66 x 2.52 x 16.88 in ^{*1} 220 x 132 x 433 mm ^{*2} 8.66 x 5.20 x 17.05 in ^{*2}
Weight	3.2 kg / 7 lb ^{*1} 8.4 kg / 18.5 lb ^{*2}
Standards	<ul style="list-style-type: none"> Safety: EN / IEC 60950 EMI (radiated): EN 55022, class B Environment: RoHS compliant
Cooling	Fan cooled
Acoustics	50 dB (A)
Operating temperature	-25 to +60 °C -13 to +140 °F

Subject to change without notice.



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