

# Inverter ESI Series

## Description

The Delta ESI Series inverters are single phase, fan cooled stand alone inverters with integrated static switch. They deliver an interruptible, stabilized AC voltage from 48 VDC battery systems.

The dynamic performance of the inverters meets the supply requirements for modern telecommunication equipment. The outstanding overload capability enables the inverter to deliver high start up currents demanded by appliances such as air conditioners.

The ESI Series inverters complete the Delta InD and OutD systems providing total site power solutions offering new opportunities for energy saving.

## Main features

- High start up current capability
- Compact and light
- Easy to install
- Pure sine AC output voltage
- Very low output voltage distortion

## Applications

ESI Series inverter is used as a stand alone unit or in Delta InD and OutD systems for:

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



*Combined with Delta DC power systems, our inverters 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.*

# Inverter ESI Series

## Technical specifications

1. Input	
DC voltage - battery	40 - 60 V
AC voltage - bypass	208 / 220 / 230 / 240Vrms
EMI (conducted)	EN 55022, class A
Protection	Breaker

2. Output	
Nominal system voltage	208 / 220 / 230 / 240Vrms configurable
Frequency	50 / 60 Hz configurable
Power limitation	1000 VA <sup>*1</sup> / 2000 VA <sup>*2</sup>
Output THD	3 %
Crest factor	3
Overload capability	150 %
EMI (conducted)	EN 55022, class A
Protection	Internal fuse

Ordering information	
Description <sup>*1</sup>	ESI48-230V-1000VA /
Part number	ESI48I102AB B
Description <sup>*2</sup>	ESI48-230V-2000VA /
Part number	ESI48I202AB A

3. General	
Efficiency	85 %
Control and monitoring	RS 232 monitor interface Dry alarm contact
User interface	LED display LCD display Navigation button Main switch
Dimensions (W x H x D)	440 x 88 x 300 mm 17.3 x 3.5 x 11.8 in
Weight	8.0 kg / 17.6 lb <sup>*1</sup> 8.5 kg / 18.7 lb <sup>*2</sup>
Standards	
• Safety	IEC / EN 60950 UL 60950 CAN / CSA - C22.2
• EMI (radiated)	EN 55022, class A
• Environment	RoHS compliant
Cooling	Fan cooled
Acoustics	55 dB (A)
Operating temperature	-25 to +45 °C -13 to +113 °F

Subject to change without notice.



**Delta Energy Systems (Switzerland) AG**  
Freiburgstrasse 251, CH-3018 Bern - Bümpliz  
Phone: +41 31 998 5311, Fax: +41 31 998 5353

[www.deltapowersolutions.com](http://www.deltapowersolutions.com)