



Inverpack Inverter system

The alternative for your mission critical AC loads

With its compact design and cost efficiency, the Inverpack inverter system can fit into any space and budget. It provides a high quality uninterruptible AC source without the requirement for separate batteries.

Key features

- High power density
- Pure sinewave
- Hot swappable
- Wide temperature range
- Modular design for easy expansion and redundancy
- Static switch incorporated
- 125% constant overload (temperature controlled)

The Inverpack inverter is the main building block in the Inverpack Inverter system. Together with its associated controller, static switch and AC distribution unit, a wide range of systems up to 24 kVA can be realized.

The Inverpack 1000 takes the power from the 48V supply and converts it to a fully sinusoidal 110 or 220 VAC. Within the 110 or 220 VAC versions there are also a variety of different output voltages that can be chosen.

The associated Static switch can handle power up to 50A and without interruption transfer the load

between mains and inverters. It fits nicely into a separate shelf containing the controller and the STS.

User friendliness has been in focus when designing the controller and PC software. The controller is intuitive and easy to use.

For short lead times we have a number of the key modules on stock, for quick assembly of systems with 2, 4, 6 and 8 kVA output power. These are in 19" frames designed to be installed into other equipment or any suitable cabinet.

For special requirements we can also make special customized system solutions all the way up to 24 kVA.



Inverpack 1000 Inverter module

DC Input Inverpack 1000

Voltage	40,5 –58 VDC (Nominal 48VDC) Under-voltage warning: 45 Vdc Under-voltage cut-off: 40 VDC Over-voltage warning: 58 VDC Over-voltage cut-off: 60 VDC
Current	Max constant 23A Max inrush 46A
Protection	Reverse polarity protection

AC Output Inverpack 1000

Voltage	110V version: 110/115/120 VAC 220V version: 208/220/230/ 240 VAC Programmable from controller
Frequency	50/60 Hz programmable from controller
Waveform	Pure sinewave
Power	1000VA
Power factor	0,8
THD	3% (Linear load)
Overload capacity	125% constant (temp. controlled) 150% for 20 seconds
Dimensions (wxdxh)	215x278x44 mm

Distribution unit

- 19"/4U AC distribution unit to be placed at the top of Controller/STS shelf or Inverter shelves
- Connection for input DC and AC
- Up to 8 double pole AC output breakers
- Optional manual bypass switch

Inverpack controller

Features	Easy to use man machine interface. 5 programmable dry contacts Multi lingual Real time clock LED and audio alarms
Communication options	USB, RS232, RS485

General data

Operating temp	-20 to +70°C (-4 to +158°F)
Storage temp	-40 to +85°C (-40 to +185°F)
Humidity	Operating: 5% to 95% RH non-condensing Storage: 0% to 99% RH non-condensing
Acoustic noise	55dB (single module)

Applicable Standards

Electrical safety	IEC 60950-1, UL 60950-1, CSA 22.2	
EMC	EN61000-6-1 EN61000-6-2 EN61000-6-3 EN61000-6-4	EMC, Immunity, Light industry EMC, Immunity, Industry EMC, Emission, Industry EMC, Emission, Light industry (with additional filtering in power shelf)
Environment	ETSI EN 300 019-2, ETSI EN 300 132-2, RoHS	

Specifications are subject to change without notice

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Ordering information

Article number	Product name	Product Description
241550.200	Inverpack 1000 48/230	Inverter, 48V DC to 230V AC/1000VA
241550.100	Inverpack 1000 48/110	Inverter, 48V DC to 110V AC/1000VA
241551.100	STS 112	Static switch, max 50A, <1/4 cycle transfer, on-/offline mode
251552.100	Inverpack Controller	Control unit for control and monitoring of STS and inverters
251552.200	Inverpack Controller Interface	Interface to control unit for USB, RS-232 and RS-485 connection
241550.000	Inverpack shelf	Inverter shelf, two positions, 1U/19"
241551.000	Inverpack controller/STS shelf	Controller and STS shelf, 1U/19"
228767	Inverpack module blind panel	Dummy panel for unused positions