

PWR11 & PWR33 MODEL

INDUSTRIAL INVERTER

5 kVA - 60 kVA



Industrial Inverter

uses the latest DSP technology that can be programmed for a wide variety of electrical environments without compromising on performance. It works safely in private and public hospitals, airports, factories, industrial facilities, banks, shipyards, power plants, etc. IT sectors.

SPECIFICATIONS

- Transformer-based design
- Static bypass switch
- Maintenance bypass switch
- A short circuit and overload protection
- Quad-core DSP architecture for inverter
- Event memory (500 unit)
- Compact design



INDUSTRIAL INVERTER

TECHNICAL SPECIFICATIONS

5 kVA - 60 kVA

POWER		5 kVA	10 kVA	20 kVA	30 kVA	40 kVA	60 kVA
INPUT	Voltage range	48 VDC, 110 VDC, 220 VDC ± %20					
	Rated frequency	50 Hz / 60 Hz					
BYPASS	Bypass voltage range	220 VAC ± %20	380 VAC ± %20				
OUTPUT	Voltage range *	220 VAC ± 20 (1P + N + PE)	380 VAC ± %20 (3P + N + PE)				
	Frequency range *	50 Hz, 60 Hz (± 3% (adjustable) synchronization range with mains); in battery mode: 50Hz , 60 Hz ± 0.2%					
	Waveform	Sinusoidal					
	Power Factor	0.8 (optional 0.9 - 1)					
	Total harmonic distortion (THDv)	≤ 1% (linear load); ≤5% (non-linear load)					
	Crest Factor (CF)	3:1					
	Overload Capacity	10 minutes at 125% load, 1 minute at 150% load					
SYSTEM	Protections	Short circuit, overload, overtemperature, battery voltage low / high , mains voltage low / high					
	Communications	Optional configuration: RS232, RS485 (Modbus RTU), SNMP card, dry contacts.					
	Display	graphics LCD 3-inch					
OTHERS	Operating temperature *	0°C / +40°C					
	Storage temperature	-25°C / +55°C (without battery)					
	Relative humidity	%0-95 (non-condensing)					
	IP rating *	IP 20					
	Noise level at 1m **	≤ 65 dB					
	Galvanic isolation	Standard for marine (on-board) applications, optional for shore applications.					
	Standards	EN 62040-1 (LVD), EN 62040-2(EMC), EN 62040-3, EN 55011, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-2-2, MIL-STD-461, MIL-STD-1310G, MIL-STD-704F Lloyd's Register Of Shipping (BV, RINA, TL 'option')					

*Specifications and configurations may be modified upon customer request and subject to technical feasibility.

**As power increases, noise levels may increase.

Note: Power Elektronik reserves the right to make changes to the specifications and design without prior notice.

PHYSICAL PROPERTIES	Power (kVA)	5 kVA	10 kVA	20 kVA	30 kVA	40 kVA	60 kVA
	Dimensions (WxDxH)(mm)	500 x 800 x 1200	500 x 800 x 1200	500 x 800 x 1200	620 x 960 x 1500	620 x 960 x 1500	620 x 960 x 1500
	Weight (kg)	112 kg	117 kg	124 kg	185 kg	200 kg	255 kg

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