

DC-AC INVERTERS

**POWER
SOLVE**

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PJN Series 1000 to 4500 Watts, Sine Wave Inverters

Features

- Front-end maintenance
- ECO working mode
- SPWM inversion technology
- Protection functions
- Parallel for 3KVA (optional)



PJN Series inverters are suitable for telecom systems with a 48VDC power supply. They use high efficiency SPWM inversion technology. The PJN series can be connected to teleprinters, telegraph terminals, wireless paging equipment, data switching exchange, local exchange, microwave communication equipment, program controlled exchange charging systems, fax machines and all kinds of AC instrumentation, computer equipment and various other communication and electronic equipment.

Electrical Specification

Input

DC Input Voltage	40 to 60VDC
DC Input Connector	Power D Type, mating half supplied
AC Input Voltage (ECO)	230VAC \pm 15%
AC Input Connector	Screw terminals
Input Frequency	45-55Hz
Input Current	See table

Output

Output Power	See table
Output Voltage	230VAC \pm 2% Inverter, 230VAC \pm 15% (ECO mode)
Output Waveform	Pure sine wave <3% THD
Output Frequency	50Hz \pm 0.5%
Output Connector	IEC and screw terminals
Alarms	Battery low and inverter failure
Panel Display	LED indicators show inverter, battery and fault condition
Communication Interface	Dry contacts (1kVA & 1.5kVA) RS232 & dry contacts 2kVA -4.5kVA (RS232 is optional on these) (RS232 standard on these)
Protection	Battery low, over voltage, overload, short cct, over temp, utility bypass

Environment

Noise	45dB
Working Temperature	0-40°C
Relative Humidity	0-95% non condensing

Mechanical	See table
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Ordering Information

Model	Power (VA/Watts)	Output VAC Inverter	Output VAC ECO Mode	DC Input Current	Weight (Kilos)	Dimensions (mm)
PJN1000	1000/700	230±2%	230±15%	20A	6	440 x 286 x 1U
PJN1500	1500/1050	230±2%	230±15%	30A	8	440 x 360 x 1U
PJN2000	2000/1400	230±2%	230±15%	40A	10	440 x 460 x 2U
PJN3000*	3000/2100	230±2%	230±15%	60A	10	440 x 460 x 2U
PJN4500	4500/3150	230±2%	230±15%	80A	13.5	440 x 440 x 3U

Note* Model PJN3000 is available with optional N+1 redundancy

Operating Diagram of PJN Series Inverters

