

Inverter Series: DJN

COMPUTER POWER[®]

48Vdc Inverter (1KVA)

DJN series inverters are suitable telecom systems with 48VDC power supply, adopting high frequency PWM inverter technology (sinewave). DJN series inverters can be connected to all kinds of AC equipment like wireless paging equipment, data switching exchange, local exchange, microwave communication equipment, program controlled exchange charging systems, fax machines, computers, servers and various communication equipment. Meanwhile, on ECO mode, it can be also used for air conditioners.



Main Features:

- Compliant with communication standard of AC and DC power supply systems
- High frequency PWM inverter technology (pure sinewave)
- Wholesome protective measures
- Low DC end current noise
- Compatible with Air-Conditioners
- ECO working mode
- Bypass Input
- Transformerless Design
- Rackmount

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The Next Level in Digital Convergence[®]

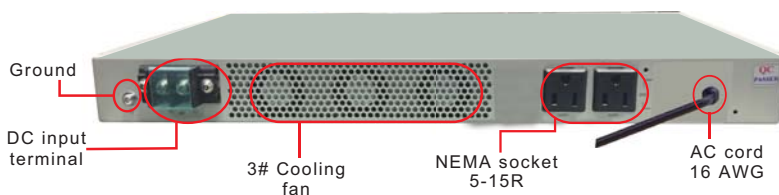
Specification and Parameter		Model: DJN1000 / 800
Rated Output Capacity		1000VA / 800W
AC Input	AC cord and connector	16 AWG / Nema 5-15 P
	AC input (Vac)	110Vac / 120Vac
	Frequency(Hz)	50/60Hz
	AC input range(Vac)	82-132Vac / 90-144Vac
	Operation mode	Main AC supply is Dip Switch selectable for priority AC Input (ECO) or Inverter
	Frequency range	50/60Hz±10%
DC Input	Rated voltage(Vdc)	48Vdc
	Rated current(A)	19A
	DC Input range	40 - 58 Vdc Inverter can work with either positive or negative 48 Vdc
	Low voltage alarm of DC input	44.0±1Vdc
	High voltage alarm of DC input	58±1Vdc
	Low voltage protection of DC input	40.0±1Vdc
	Over voltage protection of DC input	58±1Vdc
	Input terminal reverse comparable broad range static current	<10%
AC Output	AC Output (Vac)	110/120Vac ± 3%
	Frequency (Hz)	50/60Hz ± 1%
	Dynamic voltage transient	<10%
	Wave form	Sine Wave, THD<3% (Linear Load) Sine Wave, THD <8% (Non-linear Load)
	Power factor	0.8
	Overload Capacity	105% - 125% loads: 1min; 126% - 150% loads: 5sec; >150%: 1s,
	Crest factor	3:1
	Switch time for inverter to bypass status	< 4ms
	Output Receptacles	2# Nema 5-15R
Efficiency	≥ 98% (ECO mode), ≥ 86% (DC mode)	
Display		LED Indicating Lamps (Display working status)
Communication Function		3PIN Dry contactor NO & NC
Alarm Function		DC input abnormal, Inverter Fault, overload
Protection Function		DC input low-voltage and over-voltage protection, overload protection, short-circuit protection, AC output over-voltage or low-voltage protection, over-temperature protection
Transmission		Meet EN55022 A-standard
Radiation		Meet EN55022 A-standard
Interference Rejection		Meet EN61000-4-3, EN61000-4-6 standard
Insulation Resistance		> 10MΩ (500Vdc)
Dielectric Strength		2121Vdc(AC input , output and DC input to ground, AC Input and output to DC input), no flashover voltage 1 min
Cooling-down Method		3# Cooling fan
Noise (dB)		<50dB (1m)
Work Environment	Working Temperature(°C)	-5°C ~ +50°C
	Relative Humidity	0~95%, without condensation
	Height Above Sea Level	Below 2000m, no derating; >2000m, meet IEC 60664-1 derating requirements
Storage Environment	Inverter Storage Temperature (°C)	-40°C~+70°C
	Relative Humidity	0~95%, without condensation
Dimension (mm) (D×W×H)		300x440x43.5 for 19" rack, 1U
Weight (kg)		6

Specification is subject to change without prior notice.

Front panel view



Rear panel view



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