

PASCAL[®] NT Series

Sine Wave Output, with ISO Transformer On Line Power Protection

Type PCL-1000 NT - 1000VA,
PCL-2000 NT - 2000VA, PCL3000 NT - 3000VA

The PASCAL[®] NT-Series On Line Dual Conversion UPS is designed with the latest technology, making it distinguished by its performance and reliability. The rectifier stage of PASCAL[®] NT-Series implements PWM and DSP Technology, high frequency and Power Factor correction method. Therefore the input current is purely sine wave, and power factor can reach $\geq 99\%$. This UPS also have small harmonic current drawn from the utility. All power stages are carefully designed to optimize efficiency to save user's operational cost.

Added to all that features, the PASCAL[®] NT-Series comes with optional External Galvanized ISOLATION Transformer, which is highly recommended to have a best Grounding compatibility.

The PASCAL[®] NT-Series also support Remote-Monitoring using RS232 & USB-Port, or Optional SNMP-Card for LAN monitoring. With this complete protection design and remote monitoring capability, it makes PASCAL[®] NT-Series the best choice to protect your equipments.

Features:

- Truly On-line, Sine Wave output
- Microprocessor design
- Extraordinary Wide Input from 110 VAC to 300 VAC
- Presettable Parameter
- DC Cold-start, Auto Self Diagnostic
- RS232 communication port and SNMP [Opt] for Remote monitoring
- Enhanced Protection against Lightning, Surges, Disturbances, etc
- Galvanic Isolation Transformer
- Output Power Factor = 1.0



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Specification

Model	PCL-1000 NT	PCL-2000 NT	PCL-3000 NT
Capacity	1kVA/ 1kW	2kVA/ 2kW	3kVA/ 3kW
Input			
Voltage	208/220/230/240Vac, L+N+PE		
Voltage Range	110~300Vac		
Frequency Range	40-70Hz		
Power Factor	>0.99		
THDi	<3% (Linear load); <5% (Non-linear load)		
Output			
Voltage	208/220/230/240Vac, L+N+PE		
Voltage Regulation	±1%		
Frequency	50/60Hz ± 0.1%		
THDu	<2% (Linear load); <5% (Non-linear load)		
Transfer Time	Line mode to battery mode, 0ms; Inverter mode to bypass mode, 4ms		
Waveform	Pure Sine Wave		
Overload Capacity	Line Mode:		Battery Mode:
	30min@102%~110% load		1min@102%~110% load
	10min@110%~130% load		10s@110%~130% load
	30s@130%~150% load		3s@130%~150% load
	200ms@>150% load		200ms@>150% load
Crest Factor	3:1		
Efficiency			
Line Mode	95.0%	95.5%	95.5%
Battery Mode	88.5%	91.5%	91.5%
ECO Mode	98%		
Battery			
Battery Voltage	36Vdc	72Vdc	96Vdc
Battery Number	3Pcs *12V; 7AH [Opt 9AH]	6Pcs *12V; 7AH [Opt 9AH]	8Pcs *12V; 7AH [Opt 9AH]
Back-Up Time [Full/Half]	8/20 Min 15/30 Min [Opt]	8/20 Min 15/30 Min [Opt]	8/20 Min 15/30 Min [Opt]
Rated Charge	2.0 A		2.0 A
Communication			
Interface	RS232 / SNMP Card (optional) / USB Port / AS400 (optional)		
Environment			
Operation Temperature	0~40°C		
Humidity	0~95% (non-condensing)		
Audible Noise	<50dB		
Altitude	The altitude should not exceed 1000m, and the height above 1000m should be reduced to a maximum of 4000m. Refer to IEC62040		
Physics			
Dimensions W*D*H [mm]	190 X 290 X 300	190 X 420 X 400	190 X 560 X 400
Weight [Kg]	20	32	40

* Specifications are subject to change without prior notice

Edition: U_BB_OF_OF



Optional monitoring software:

Features:

- Using optional Net Agent unit for LAN monitoring
- Detect power failure and low battery voltage
- User friendly graphical interface:
 - + Graphical display of load and battery status
 - + Real time functional block diagram of UPS
- Database function for all event happen

Distributed by:



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