

PASCAL[®] N-Series (HT-Class)

Sine Wave Output On Line Power Protection

Type PCL- 6000-N - 6000VA,
PCL-10000-N - 10000VA,

The PASCAL[®] N-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[®] N-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[®] N-Series comes with optional External Galvanized ISOLATION Transformer, which is highly recommended to have a best Grounding compatibility.

The PASCAL[®] N-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[®] N-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 [Opt]
- Output Power Factor = 1.0



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PASCAL[®] UPS and STABILIZER

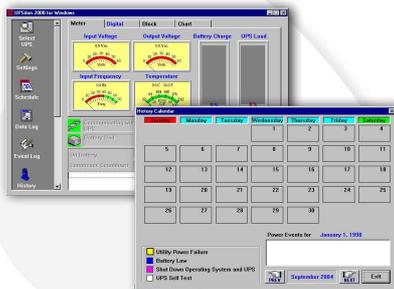


Specification (HT-Class):

Model	PCL 6000-N	PCL 6000-NL	PCL 10000-N	PCL 10000-NL
Capacity	6 KVA/ 6 KW		10 KVA/ 10 KW	
Input				
Nominal Voltage	208/220/230/240Vac, Single Phase L+N+PE			
Voltage Range	110~300Vac			
Frequency	40-70Hz (Nominal:50/60 Hz)			
Power Factor	≥0.99			
THDi	≤5% (Linear Load); ≤8% (Non-Linear Load)			
Output				
Nominal Voltage	208/220/230/240Vac or 110/115/120Vac, L+N+PE			
Voltage Regulation	±1%			
Frequency	50/60Hz ± 0.1%			
THDu	≤2% THD (Linear load); ≤5% THD (Non-linear load)			
Transfer Time	Line Mode to Battery Mode, =0 ms, Inverter Mode to Bypass Mode, 4ms			
Crest Ratio	3:1			
Overload Capacity	Line Mode:		Battery Mode:	
	30min @102%~105% Load 10min @105%~125% Load 30s @125%~150% Load 500ms @>150% Load		10min @102%~105% Load 1min @105%~125% Load 10s @125%~150% Load 500ms @>150% Load	
Battery				
Battery Type	Sealed Lead Acid (SLA) Maintenance Free			
Voltage	192Vdc / 240Vdc			
Battery Number	12V; 7Ah*16/ 20pcs	External	12V; 9Ah*16/ 20pcs	External
Charge Current	2.0A (1-12A settable)	1-12A settable	2.0A (1-12A settable)	1-12A settable
Back-Up Time	Full-Load = 8 Minutes [Up-to Opt=15] ; Half-Load about =30 Minutes			
Charging Mode	Two/Three-Step/Periode Charging			
Efficiency				
Line Mode	95%			
Battery Mode	94.5%			
ECO Mode	98%			
Communication				
Interface	RS232 / SNMP Card [Optional] / USB Port / AS400 [Optional]			
Environment				
Operation Temperature	0~40°C			
Humidity	0~95% (Non-Condensing)			
Audible Noise	<50dB (1 meter in front of UPS)			
Altitude	The altitude should not exceed 1000m, and the height above 1000m should be reduced to a maximum of 4000m. Refer to IEC62040			
Physical				
Dimension W*D*H [mm]	250*523*842	250*523*602	250*523*842	250*523*602
Weight (Batt-Count) [kg]	52/ 60	21	60/68	27

* 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

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