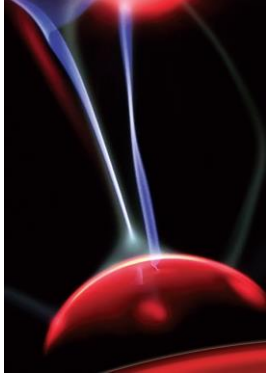


Polaris

3Phase 60-350Kva



Electrical System for Continuity

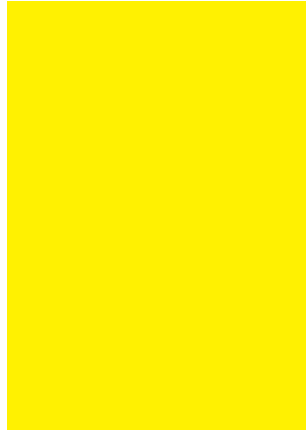
TECHNICAL SPECIFICATIONS

MODEL		POLARIS 60	POLARIS 80	POLARIS 100	POLARIS 120	POLARIS 160	POLARIS 180	
Input	Power (KVA/KW)	60/60	80/80	100/100	120/120	160/160	180/180	
	Phase	3 Phase + Neutral + Ground						
	Rated Voltage	380/400/415Vac						
	Voltage Range	138~485Vac	208~478Vac		138~485Vac	208~478Vac		
	Frequency Range	45-55Hz at 50Hz / 56-66Hz at 60Hz (auto sensing)						
	Power Factor	≥0.99						
	Current THDi	≤2% (100% not linear load)						
	Bypass Voltage Range	Max Voltage.: 220Vac:+25% (optional +10%,+15%,+20%) 230Vac:+20% (optional +10%,+15%) 240Vac:+15% (optional +10%) Min. Voltage.: -45% (optional -20%,-30%) Frequency protection range: ±10%						
	Generator Input	Supported						
Output	Phase	3 Phase + Neutral + Ground						
	Rated Voltage	380/400/415Vac						
	Power Factor	1.0						
	Voltage Regulation	±1%						
	Frequency	Utility Mode	Synchronized with input. When input frequency is > ± 10% (±1%, ±2%, ±4%, ±5%, optional) output (50/60±0.1%)Hz					
		Battery Mode	(50/60±0.1%) Hz					
	Crest Factor	3:1						
THD	≤1% with linear load ≤3% with not linear load							
Efficiency (in normal mode)		≥94%						
Battery	Voltage	60/120 models: ±180V/±192V/±204V/±216V/±228V/±240/±252/±264/±276/±288/±300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs optional) 360Vdc~600Vdc (30~50 pcs) 36 pcs standard, 36~50pz Output PF 1; 32~34pz Output PF 0.9; 30pz Output PF0.8) 80/100/160/180 models: ±192/±204/±216/±228/±240Vdc (32/34/36/38/40pz optional)						
	Charge Current (A)	Charge current is automatically set in according to the capacity and the quantity of the batteries Max 30A						
	Battery Test	Supported						
Transfer Time		Utility to Battery: 0ms Utility to bypass: 0ms						

MODEL		POLARIS 60	POLARIS 80	POLARIS 100	POLARIS 120	POLARIS 160	POLARIS 180
Protection	Overload	Load ≤ 110%: last 60min, ≤ 125%: last 10min, ≤ 150%: last 1min, ≥ 150% change to bypass immediately					
Alarms	Audible & Visual	Line Failure, Battery Low, Overload, System Fault etc.					
Display	Status LED & LCD	Line Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault					
	Shows on the LCD	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage & Inner Temperature etc.					
Communication Interface		USB, RS232, RS485, REPO, Parallel (optional), Optocoupler contact, Intelligent slot, SNMP card (optional), Relay card (optional)					
Environment	Operating Temperature	0°C~40°C					
	Storage Temperature	-25°C~55°C (without batteries)					
	Humidity	0~95% not condensing					
	Altitude	< 1500m, when >1500m lower the rated power for use					
	Noise	< 60dB					
Other	UPS Dimension (D×W×H) cm	828x250x868	828x360x868		828x250x868	828x360x868	
	UPS weight (Kg) without batteries	83	123		83	123	
	Unit N°	1			2		
Safety Conformance		IEC/EN62040-1, IEC/EN62040-2, IEC/EN62040-3, IEC/EN60950-1					
Frequency Converter function		YES					

MODEL		POLARIS 200	POLARIS 250	POLARIS 300	POLARIS 320	POLARIS 350	
Input	Power (KVA/KW)	200/200	250/250	300/300	320/320	350/350	
	Phase	3 Phase + Neutral + Ground					
	Rated Voltage	380/400/415Vac					
	Voltage Range	208~478Vac					
	Frequency Range	45-55Hz at 50Hz / 56-66Hz at 60Hz (auto sensing)					
	Power Factor	≥0.99					
	Current THDi	≤2% (100% not linear load)					
	Bypass Voltage Range	Max Voltage.: 220Vac:+25% (optional +10%,+15%,+20%) 230Vac:+20% (optional +10%,+15%) 240Vac:+15% (optional +10%) Min. Voltage.: -45% (optional -20%,-30%) Frequency protection range: ±10%					
	Generator Input	Supported					
Output	Phase	3 Phase + Neutral + Ground					
	Rated Voltage	380/400/415Vac					
	Power Factor	1.0					
	Voltage Regulation	±1%					
	Frequency	Utility Mode	Synchronized with input. When input frequency is > ± 10% (±1%, ±2%, ±4%, ±5%, optional) output (50/60±0.1%)Hz				
		Battery Mode	(50/60±0.1%) Hz				
	Crest Factor	3:1					
THD	≤1% with linear load ≤3% with not linear load						
Efficiency (in normal mode)		≥94%					
Battery	Voltage	Modelli 200/250/300/320/350: ±192/±204/±216/±228/±240Vdc (32/34/36/38/40pz optional)					
	Charge Current (A)	Charge current is automatically set in according to the capacity and the quantity of the batteries Max 30A					
	Battery Test	Supported					
Transfer Time		Utility to Battery: 0ms Utility to bypass: 0ms					

MODEL		POLARIS 200	POLARIS 250	POLARIS 300	POLARIS 320	POLARIS 350
Protection	Overload	Load ≤ 110%: last 60min, ≤ 125%: last 10min, ≤ 150%: last 1min, ≥ 150% change to bypass immediately				
Alarms	Audible & Visual	Line Failure, Battery Low, Overload, System Fault etc.				
Display	Status LED & LCD	Line Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault				
	Shows on the LCD	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage & Inner Temperature etc.				
Communication Interface		USB, RS232, RS485, REPO, Parallel (optional), Optocoupler contact, Intelligent slot, SNMP card (optional), Relay card (optional)				
Environment	Operating Temperature	0°C~40°C				
	Storage Temperature	-25°C~55°C (without batteries)				
	Humidity	0~95% not condensing				
	Altitude	< 1500m, when >1500m lower the rated power for use				
	Noise	< 60dB				
Other	UPS Dimension (D×W×H) cm	828x360x868				
	UPS weight (Kg) without batteries	123				
	Unit N°	2	3	4		
Safety Conformance		IEC/EN62040-1, IEC/EN62040-2, IEC/EN62040-3, IEC/EN60950-1				
Frequency Converter function		YES				



 **NaiconGroup**

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