

POLARIS 10
POLARIS 15
POLARIS 20
POLARIS 30
POLARIS 40



MODEL			POLARIS 10	POLARIS 15	POLARIS 20	POLARIS 30	POLARIS 40	
Technology			On-line Double Conversion					
Input	Capacity		10kVA 10kW	15kVA 15kW	20kVA 20kW	30kVA 30kW	40kVA 40kW	
	Phase		3 Phase 4 Wires and Ground					
	Rated Voltage		380/400/415Vac					
	Voltage Range		208~478Vac					
	Frequency Range		45-55Hz a 50Hz / 56-66Hz a 60Hz (auto sensing)					
	Power Factor		≥0.99					
	Current THDi		≤2%(100% non linear load)					
	Bypass Voltage Range		Max Voltage.: 220Vac:+25% (optional +5%,+10%,+15%) 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 4 Wires and Ground					
	Rated Voltage		380/400/415Vac					
	Power Factor		1.0					
	Voltage Regulation		±1%					
	Frequency	Utility Mode	±1%、±2%、±4%、±5%、±10% of the rated frequency (optional)					
		Battery Mode	(50/60±0.1%)Hz					
	Crest Factor		3:1					
THD		≤1% with linear load ≤3% with non linear load						
Efficiency (in normal mode)			≥94%					
Battery	Voltage		Standard UPS: ±120Vdc (10+10) 12V 7/9AH Long run backup UPS ±96V/±108V/±120Vdc (16/18/20 pz. optional)					Standard UPS: ±240Vdc (20+20) 12V 7/9AH Long run backup UPS: ±192/±204/±216/±228/±240Vdc (32/34/36/38/40 pz optional)
	Charge Current (A)		Charge current is automatically set in according to the capacity and the quantity of the batteries Standard UPS (20pcs): 1,35A Standard UPS (2X20pcs): 2,7A Standard UPS (3X20pcs): 4,5A Long run backup UPS: max 10A					
	Battery Test		Supported					
Transfer Time			Utility to Battery: 0ms Utility to bypass: 0ms					

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Protection	Overload	AC Mode	Load ≤ 110%: last 60min, ≤ 125%: last 10min, ≤ 150%: last 1min, ≥ 150% change to bypass immediately				
		Battery Mode	Load ≤ 110%: last 10min, ≤ 125%: last 1min, ≤ 150%: last 10s, ≥ 150% shut down UPS immediately				
		Bypass Mode	Breaker 20A	Breaker 32A	Breaker 40A	Breaker 63A	Breaker 80A
			125% always work 150% 25°C ≥240min				
	Short Circuit		Involves the whole UPS				
	Overheat		Line Mode: Switch to Bypass, Backup Mode: Shut down UPS immediately				
	Battery Low		Alarm and switch off UPS				
	Self-diagnostics		Upon Power On and Software Control				
	EPO (optional)		Shut down UPS immediately				
	Battery		Advanced Battery Management				
	Noise Suppression		Complies with EN62040-2				
Alarms	Audible & Visual		Line Failure, Battery Low, Overload, System Fault				
Display	Status LED & LCD		Line Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault				
	Reading on the LCD		Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage & Inner Temperature etc.				
Communication Interface			USB, RS485, Parallel (optional), Coupler dry contact, Intelligent slot, SNMP card (optional), Relay card (optional)				
Environment	Operating Temperature		0°C~40°C				
	Storage Temperature		-25°C~55°C				
	Humidity		0~95% non condensing				
	Altitude		< 1500m When >1500m lower the rated power for use				
	Noise		< 55dB				< 58dB
Other	Dimensions (D×W×H)		828x250x868				
	Weight (Kg) (without batteries)		66	70	70	83	83
	N° of unit		1				
	Installation type		Vetical				
	Support type		Wheels				
Safety Conformance			IEC/EN 62040-1, IEC/EN 62040-2, IEC/EN 62040-3, EN60950-1, IEC/EN 50171				
Frequency Converter function			Yes				



Naicon

UNIT



Diloc



Elsist



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