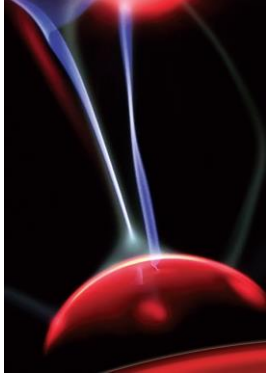


Polaris

3Phase 10-40Kva



Electrical System for Continuity

MODEL		POLARIS 10	POLARIS 15	POLARIS 20	POLARIS 30	POLARIS 40	
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					

MODEL		POLARIS 10	POLARIS 15	POLARIS 20	POLARIS 30	POLARIS 40	
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
	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)	42	45	45	71	73	
	N° of unit	1					
Safety Conformance		IEC/EN 62040-1, IEC/EN 62040-2, IEC/EN 62040-3, EN60950-1, IEC/EN 50171					
Frequency Converter function		Yes					

