

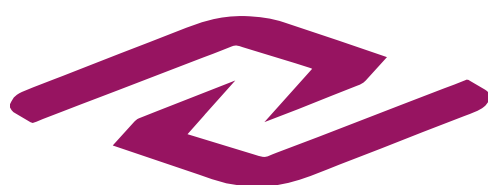
TRI-ONE 10000
TRI-ONE 15000
TRI-ONE 20000



TECHNICAL SPECIFICATION

Model			TRI-ONE10000	TRI-ONE15000	TRI-ONE20000
Technology			On-line Double Conversion		
Capacity			10kVA/10kW	15kVA/15kW	20kVA/20kW
Input	Phase		380/400/415Vac,(3Ph+N+PE)		
	Rated Voltage		380/400/415Vac		
	Voltage Range		208~478Vac		
	Frequency Range		40-70Hz		
	Power Factor		≥0.99		
	Current THDi		≤3% (100% non 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 -10%, -20%, -30%) Frequency protection range: ±10%		
	Generator Input		Support		
Output	Phase		220/230/240Vac,(L+N+PE)		
	Rated Voltage		220/230/240Vac		
	Power Factor		1		
	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		≤2% with linear load ≤5% with non linear load		
Efficiency			Up to 94.5%		
Battery	Voltage		±120Vdc (20x9Ah) (20x7Ah; 2x20 x 7/9Ah optional); ±96Vdc (16x9Ah)	±120Vdc (2x20pcs 9Ah) (2x20pcs 7Ah optional)	
			±96/108/120Vdc (16~20 pcs, 16 pcs define, Standard unit and 20 pcs no power derating; 18 pcs output power factor 0.9; 16 pcs output power factor 0.8)		
	Charge Current		1.35A	2.7A	
Transfer Time			Utility to Battery : 0ms; Utility to bypass: 0ms		

Protection	Overload	AC Mode	Load≤110%: last 60min change to bypass, ≤125%: last 10min, change to bypass, ≤150%: last 1min change to bypass, >150% change to bypass immediately		
		Bat. Mode	Load≤110%: last 10min, ≤125%: last 1min, ≤150%: last 5S, >150% shut down UPS immediately		
		Bypass Mode	Breaker 64A	Breaker 100A	Breaker 126A
	Short Circuit		150A peak	270A peak	300A peak
	Overheat		Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately		
	Battery Low		Alarm and Switch off		
	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		
Communication Interface			USB, RS232, 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 at 1 Meter		<58dB at 1 Meter
Dimensions (W×D×H)mm			250×900×868		
Weight (Kg) Without batteries			60,1	64,5	65,5
Connection type			Terminal block		
Installation type			Vertical		
Support type			Wheels		
Safety Conformance			CE, EN/IEC 62040-2, EN/IEC 62040-1-1, IEC/EN62477-1, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8		



Naicon

UNIT



Diloc



Elsist



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