

REVERSO 1000 REVERSO 2000 REVERSO 3000



TECHNICAL SPECIFICATION

MODEL		REVERSO1000	REVERSO2000	REVERSO3000
Technology		On-line Double Conversion		
Phase		Single phase with ground		
Capacity (VA/Watts)		1kVA / 1kW	2kVA / 2kW	3kVA / 3kW
INPUT				
Nominal voltage		208/220/230/240Vac		
Operating voltage range (Ambient Temp. <40°C)	Low line transfer	176Vac±5% @100%-50% load; 110Vac±5% @50%-0% load;		
	Low line comeback	186Vac±5% @100%-50% load; 120Vac±5% @50%-0% load;;		
	High line transfer	264Vac±5% @100%-50% load; 300Vac±5% @50%-0% load;		
	High line comeback	254Vac±5% @100%-50% load; 290Vac±5% @50%-0% load;		
Operating frequency range**		40-70Hz		
Power factor		0.99@100% load(Nominal Input Voltage)		
Bypass voltage range		Bypass high voltage point 230-264: setting the high voltage point in LCD from 230Vac to 264Vac. (Default: 264Vac) Bypass low voltage point 176-220: setting the low voltage point in LCD from 176Vac to 220Vac. (Default: 176Vac)		
Generator input		Supported		
OUTPUT				
Output voltage*		208/220/230/240Vac		
Power factor		1.0		
Voltage regulation		±1%		
Frequency	Line Mode (synchronized range)	46-54Hz or 56-64Hz		
	Bat. Mode	(50/60±0.1)Hz		
Crest factor		3:1		
Harmonic distortion (THDv)		≤3% with linear load ≤5% with non linear load		
Waveform		Pure Sinewave		
Transfer time	AC mode <-> Batt. mode	Zero		
	Inverter <-> bypass	4ms (Typical)		
Efficiency		88% (AC mode) 85% (DC mode)	90% (AC mode) 86% (DC mode)	90% (AC mode) 87% (DC mode)
BATTERY				
Battery Type		12V9AH		
Numbers		2	6	

Typical recharge time (standard model)		4 hours recover to 90% capacity (Typical)	
Charging voltage		27.4 ±1%	82.1 ±1%
Charge current		1/2A	
SYSTEM FEATURES			
Overload	Line Mode	105%~125%: UPS transfer to bypass after 1minute when the utility is normal 125%~130%: UPS transfer to bypass after 30 seconds when the utility is normal >130%: UPS transfer to bypass immediately when the utility is normal	
	Batt. Mode	105%~125%: UPS after 1minute shutdown 125%~130%: UPS after 10 seconds shutdown >130%: UPS immediately shut down	
Short Circuit		Hold Whole System	
Overheat		Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately	
Low battery voltage		Alarm and Switchoff	
EPO (optional)		Shut down UPS immediately	
Audible & Visual alarms		Line Failure, Battery Low, Overload, System Fault	
Communication interface		USB (or RS232), SNMP card (optional), Relay card (optional)	
ENVIRONMENTAL			
Operating temperature		0℃~40℃	
Storage temperature		-25℃~55℃	
Humidity range		20-90 % RH @ 0- 40℃ (non-condensing)	
Altitude		< 1500m	
Noise level		Less than 50dBA at 1 Meter	
PHYSICAL			
Dimension W×D×H (mm)		440*325*86.5	440*600*86.5
Net Weight (kg)		11.3	25.0 26.0
Color		Black	
Display		With physical rotation	
STANDARDS			
Safety		IEC/EN62040-1,IEC/EN60950-1	
EMC		IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8	

* Derate to 80% of capacity when the output voltage is adjusted to 208Vac

** Derate to 75% of capacity when the Input voltage frequency out of range(50/60±4Hz)

*** Product specifications are subject to change without further notice



Naicon

UNIT



Diloc



Elsist



Naicon srl Via il Caravaggio, 25 Trecella I 20060 Pozzuolo Martesana - Milano (Italy)
Tel. +39 02 95.003.1 Fax +39 02 95.003.313 www.naicon.com e-mail: naicon@naicon.com