

FLEXIBLE 1000
FLEXIBLE 1500
FLEXIBLE 3000



TECHNICAL SPECIFICATION

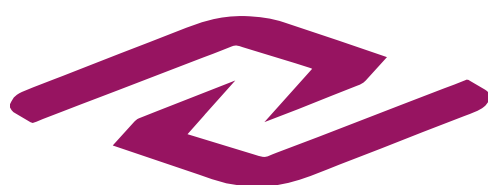
MODEL		FLEXIBLE 1000	FLEXIBLE 1500	FLEXIBLE 3000
Technology		On-line Double Conversion		
Phase type		Single phase with ground		
Capacity		1000VA /900W	1500VA /1350W	3000VA /2700W
INPUT				
Nominal voltage		208/220/230/240Vac		
Operating voltage range (Ambient Temp. <40°C)	Low line transfer	176Vac±5% @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		0.9		
Voltage regulation		±1%		
Frequency	Line Mode (synchroni zed range)	46-54Hz or 56-64Hz		
	Bat. Mode	(50/60±0.1) Hz		
Crest factor		3:1		
Harmonic distortion (THDv)		≤3% THDwith linear load ≤5% THD 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)	89%(AC mode) 86%(DC mode)	90%(AC mode) 87%(DC mode)

BATTERY			
Battery Type		12V/9Ah	
Numbers		2	36
Backup time		Long run unit depends on the capacity of external batteries	
Typical recharge time (standard modle)		4 hours recover to 90% capacity (Typical)	
Charging voltage		27.4V ±1%	41.0 ±1%82.1 ±1%
Charge current		1A	
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 shut down; 125%~130%: UPS after 10 seconds shut down; >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 Switch off	
EPO (optional)		Shut down UPS immediately	
Audible & Visual alarms		Line Failure, Battery Low, Overload, System Fault	
Comunication interface		USB (or RS232), SNMPcard (optional), Relay card (optional)	
ENVIRONMENTAL			
Operating temperature		0℃~40℃	
Storage temperature		-25℃~55℃	
Humidity range		20-90 % RH @ 0- 40℃ (non-condensing)	
Altitude		< 1500mt	
Noise level		Less than 55dBA at 1 Meter	
PHYSICAL			
Dimension WxDxH (mm)		440*325*86.5 (2U)	440*460*86.5 (2U)440*520*131 (3U)
Net Weight (kg)		11.3	16.526.2
Color		Black	
Type of support		Base support / Rack	
Mounting arrangement		Vertical / Horizontal	
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 \pm 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