

FLEXIBLE 6000

FLEXIBLE 10000

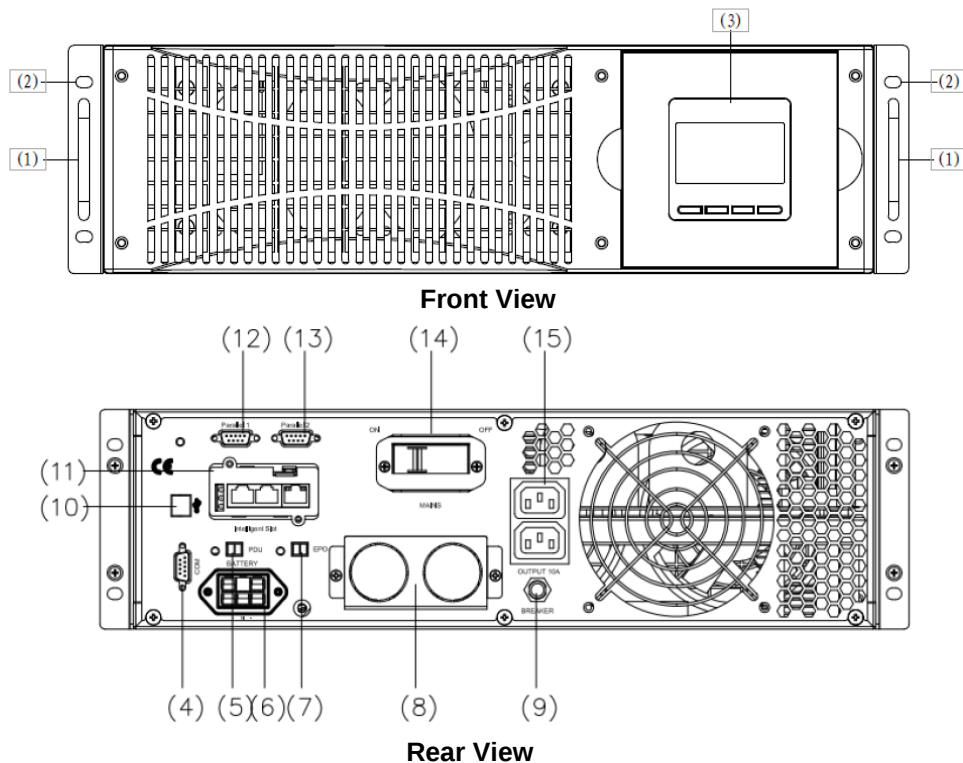
TECHNICAL SPECIFICATION



MODEL		FLEXIBLE 6000	FLEXIBLE 10000
Technology		On-line Double Conversion	
Phase		Single phase with ground	
Capacity		6kVA / 5,4kW	10kVA / 9kW
INPUT			
Nominal Voltage		208/220/230/240VAC	
Operating voltage range	Low line transfer	187Vac±5% @ 100%-80%load 160Vac±5% @ 80%-70%load 140Vac±5% @ 70%-60%load 120Vac±5% @ 60%-50%load 110Vac±5% @ 50%-0%load (Ambient Temp. <35°C)	
	High line transfer	300Vac ±5%	
	High line comeback	290Vac ±5%	
Operating frequency range		50-60Hz	
Power factor		≥0.99@100% load (Nominal Input Voltage)	
OUTPUT			
Output voltage		208/220/230/240Vac	
Power factor		0,9	
Voltage regulation		±1%	
Frequency	Line Mode (synchronized range)	50-60Hz	
	Battery Mode	(50/60±0.1)Hz	
Crest factor		3:1	
Harmonic distortion (THDv)		≤2% THD with linear load ≤5% THD with non linear load	
Waveform		Pure Sinewave	
Transfer time	AC mode <-> Batt. Mode	Zero	
	Inverter <-> bypass	4ms (Typical)	
Efficiency		>94% (AC mode) >89% (DC mode)	>94.5% (AC mode) >89% (DC mode)
BATTERY			
Battery Type		7Ah (external battery cabinet)	9Ah (external battery cabinet)
Numbers		16 (standard)	
Backup time		depends on the capacity of external batteries	
Typical recharge time (standard model)		4 hours recover to 90% capacity (Typical)	
Charging voltage		219.2 VDC ±1%	
Charge current		12A max, can be setting by LCD	
SYSTEM FEATURES			
Line Mode / Battery Mode		Ambient Temp.<35°C 105%~110%: UPS shuts down after 60 minutes at battery mode or transfer to bypass when the utility is normal 110%~130%: UPS shuts down after 5 minutes at battery mode or transfer to bypass when the utility is normal >130%:UPS shuts down after 3 seconds at battery mode or transfer to bypass when the utility is normal 35°C<Ambient Temp.<40°C 105%~110%: UPS shuts down after 1 minutes at battery mode or transfer to bypass when the utility is normal >110%:UPS shuts down after 3 seconds at battery mode or transfer to bypass when the utility is normal	
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
Communication interface	USB / RS232, SNMPcard (optional), Relay card (optional)
ENVIRONMENTAL	
Operating temperature	0°C~40°C
Storage temperature	-25°C~55°C
Humidity range	20-90 % RH @ 0- 40°C (non-condensing)
Altitude	< 1500m
Noise level	Less than 50dBA at 1 Meter
PHYSICAL	
Dimension W×H×D (mm)	440*131*450 (3U)
Net Weight (kg)	15
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

BATTERY PACK	
N°of Batteries	16pcs max (7/9Ah)
Dimension W×H×D (mm)	440*131*520 (3U)
Net Weight without battery (kg)	10,5
Remarks	Hotswappable



(1) Handles (2) Fixing screw hole (3) LCD Display (4) COM port (5) PDU (6) Battery slot (7) EPO (8) Terminal (9) Output breaker (10) USB port (11) Intelligent slot (12) Parallel Port 1 (13) Parallel Port 2 (14) Input breaker (15) Output IEC.

	BATTERY CABINET		
Cabinet Dimensions (WxDxH) mm	445	522	131 (3U)
Cabinet Weight (Kg)	46		
Color	Black		
Battery type	12V 7/9 Ah		
N° Max Batteries	16		
Breaker	1 x 50A 300Vdc 3P		
Power supply	NO		
Connection	Connector		
Accessories	Base support for vertical fix UPS-Cabinet connection cable (200cm)		
Color	Black		
Type of support	Base support / Rack		
Mounting arrangement	Vertical / Horizontal		



BATTERY CABINET FRONTAL VIEW



BATTERY CABINET REAR VIEW



Naicon

UNIT



Diloc



Elsist



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