FLEXIBLE 1000
FLEXIBLE 1500
FLEXIBLE 3000

TECHNICAL SPECIFICATION

Elsist
UNINTERRUPTIBLE POWER SUPPLY

MODEL		FLEXIBLE 1000	FLEXIBLE 1500	FLEXIBLE 3000
PHASE		Single phase with ground		
Capacity (VA/Watts)		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 (synchronized 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	3	6
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°C (non-condensing)		
Altitude		< 1500mt		
Noise level		Less than 55dBA at 1 Meter		
PHYSICAL				
Dimension W×D×H (mm)		440*325*86.5	440*460*86.5	440*520*131
Net Weight (kg)		11.3	16.5	26.2
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.

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