MISSION 1000
MISSION 2000
MISSION 3000

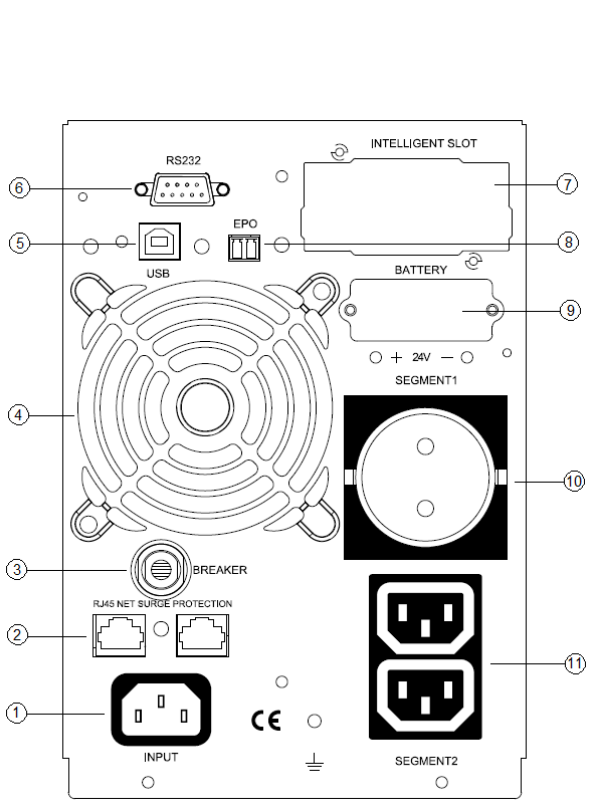
TECHNICAL SPECIFICATION

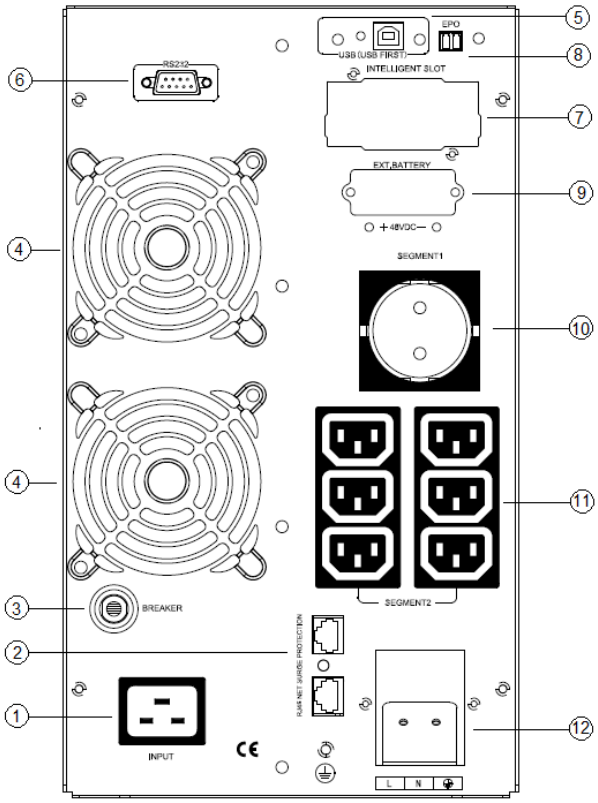
Elsist
UNINTERRUPTIBLE POWER SUPPLY

MODEL		MISSION1000	MISSION2000	MISSION3000
Phase		Single phase with ground		
Capacity (VA/Watts)		1000VA / 900W	2000VA / 1800W	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)		
Connection		IEC		
Generator input		Support		
OUTPUT				
Output voltage*		208/220/230/240Vac		
Power factor		0.9		
Voltage regulation		±1%		
Frequency	Line Mode (synchronized range)	46-54Hz or 56-64Hz		
	Batt. 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		Mains ←→ Battery = 0ms Inverter ←→ Bypass = 4ms Typical)		
Efficiency		88%(AC mode) 85%(DC mode)	90%(AC mode) 86%(DC mode)	90%(AC mode) 87%(DC mode)
Connection		2x IEC 1x Schuko	6x IEC 1x Schuko – 1x Terminal L/N + T	
BATTERY				
Battery Type		12V9AH		
Numbers		2	4	6
Input battery voltage		24Vdc	48Vdc	72Vdc
Backup time		10min (only refers to standard UPS), As for long backup UPS, the backup time is determined by the capacity of battery.		
Typical recharge time (standard model)		4 hours recover to 90% capacity (Typical)		
Charging voltage (V)		27.4 ±1%	54.7±1%	82.1 ±1%
Charge current (A)		1/2		

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)		Shutdown 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°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 55dBA at 1 Meter		
PHYSICAL				
Dimension W×D×H (mm)		144*293* 209	191* 460* 337	
Net Weight (kg)		9.1	19.5	24.5
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.





1) Input socket
2) Net sourge protection
3) Input breaker
4) Fan
5) USB port
6) RS232 port
7) Intelligent slot
8) EPO
9) Battery socket
10) Output socket (Schuko)
11) Output socket (IEC)
12) Output terminal

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