



On-Line Double Conversion
1 Phase in - 1 Phase out
1 to 3 kVA / PF=1

AccuLiNE
UNINTERRUPTIBLE POWER SUPPLY

TNmax Series

ON-LINE UPS

KEY FEATURES

- High power density.
- Online double conversion with full digital control.
- Wide input voltage range: 110~300Vac.
- Input power factor 0.99 with PFC.
- Selectable output voltage: 208/220/230/240Vac.
- Smart charger design for optimized battery performance.
- Maximum charging current can be expanded to 12A (Long run unit).
- Emergency power off function (EPO).
- ECO mode operation for energy saving.
- Generator compatible.
- Cold start.
- Intelligent fan speed regulation.
- Load segment settable (Optional).
- Versatile LCD human-computer interface.
- Multiple standard communication interface: RS232 / USB / EPO.
- SNMP card or Relay card optional.
- Multiple protection function: short-circuit, overload, overtemperature, battery overcharge and overdischarge, output low voltage and fan fault alarm.



Blue color LCD display



Rear panel view



MODEL			1000	1000 L	2000	2000 L	3000	3000 L
CAPACITY	VA/W		1000VA /1000W		2000VA /2000W		3000VA /3000W	
INPUT	Nomimal Voltage		208/220/230/240Vac					
	Input Voltage Range		110~300Vac (176~264Vac @ 100% load)					
	Power Factor		≥0.99					
FREQUENCY	Frequency Range		40~70Hz (50/60Hz Auto-Sensing)					
OUTPUT	Output Voltage		208/220/230/240Vac					
	Voltage Regulation		±1%					
	Power Factor		1.0					
	Output Frequency	Line Mode	46~54Hz or 56~64Hz					
		Battery Mode	(50/60 ± 0.1%)Hz					
	Crest Factor		3:1					
	Harmonic Distortion (THDv)		≤ 3% Linear load					
			≤ 5% Non linear load					
	Transfer Time	AC Mode to Bat.Mode	0 ms					
	Output Waveform		Pure Sinewave					
EFFICIENCY	AC Mode		Up to 91%					
BATTERY	Battery Number		2	3	4	6	6	8
	Capacity (Standard Unit)		9Ah / 12V					
	Typical Recharging Time		4 hours (To 90% of full capacity)					
	Charging Current (Max.)		2 A	6A /12 A	2 A	6A /12 A	2 A	6A /12 A
INDICATORS	LED Display		Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage Overload & UPS fault					
	LCD Display		Input voltage, Input frequency, Output voltage, Output frequency, Load percentage Battery voltage, Inner temperature & Remaining battery backup time					
ALARM	Battery Mode		Beeping every 4 seconds					
	Battery Low		Beeping every second					
	Overload		Beeping twice every second					
	Fault		Continously beeping					
PHYSICAL	Dimensions (W x D x H) mm		144 x 293 x 209		191 x 460 x 337			
	Net Weight (kg)		9.1	4.1	19.5	10.3	24.5	10.9
ENVIROMENT	Operating Temperature		0° C - 40° C					
	Storage Temperature		-25° C - 55° C					
	Humidity Range		<90% (Non condensing)					
	Altitude		<1500m, without derating					
	Noise Level		<55dBA at 1 Meter					
STANDARDS	Safety		IEC/EN 62040-1, IEC/EN 62477-1					
	EMC		IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5 IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2)					
	Efficiency		IEC/EN 62040-3					

1. When the output voltage is 208Vac,derating 80% of the unit capacity
2. Specifications are subject to change without prior notice

