



- ▶ True double-conversion
- ▶ Microprocessor control optimizes reliability
- ▶ Output power factor 1
- ▶ Input power factor correction
- ▶ Wide input voltage (110V-300V)
- ▶ 50/60Hz Frequency converter mode
- ▶ ECO mode for energy saving
- ▶ Emergency power off (EPO) function
- ▶ Built-in over voltage cut-off protection and surge imm by MOV for full-time equipment protection
- ▶ High power factor charger up to 1000W capacity with low ripple current when charging battery
- ▶ Low input THDi to reduce power system pollution
- ▶ Adjustable charging current via LCD panel
- ▶ Smart battery charger design to optimize battery perf
- ▶ Generator compatible
- ▶ Optional external SNMP slot

PT2000RT2

MODEL	PT 2000 RT2	
PHASE	Single phase with ground	
Capacity	2000 VA / 2000 W	
INPUT		
Nominal Voltage	200/208/220/230/240 VAC	
Voltage Range	110 - 300 VAC $\pm 3\%$ at 50% load 160 - 300 VAC $\pm 3\%$ at 100% load	
Frequency Range	40Hz ~ 70Hz	
Power Factor	≥ 0.99 @ nominal voltage (100% load)	
THDi	$\leq 5\%$	
OUTPUT		
Output Voltage	200*/208*/220/230/240 VAC	
AC Voltage Regulation (Batt. Mode)	$\pm 1\%$	
Frequency Range (Synchronized Range)	47 ~ 53 Hz	
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz	
Current Crest Ratio	3:1	
Harmonic Distortion	$\leq 2\%$ THD (Linear Load) ; $\leq 4\%$ THD (Non-linear Load)	
Transfer Time	AC to DC	Zero
	Inverter to Bypass	4 ms (Typical)
	ECO to Battery mode	8 ms (Typical), 10 ms(max)
Waveform (Batt. Mode)	Pure Sinewave	



EFFICIENCY		
AC Mode	≈ 89% @ full charged battery	≈ 91% @ full charged battery
ECO Mode	≈ 96% @ full charged battery	
Battery Mode	≈ 88%	≈ 90%
BATTERY		
Battery Type	12 V / 9 AH	
Numbers	4	
Typical Recharge Time	3 hours recover to 95% capacity for internal battery@ 2A charging current	
Charging Current	200/208/220/230/240 VAC models: default 2A, max. 12A adjustable	
Charging Voltage	54.8VDC ± 1%	
ENVIRONMENT		
Humidity	20-95 % RH @ 0- 45°C (non-condensing)	
Noise Level	Less than 50dBA @ 1 Meter with Fan speed control	
MANAGEMENT		
Smart RS-232 or USB	Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux, Unix and MAC	
Optional SNMP	Power management from SNMP manager and web browser	
STANDARD		
EMC/Safety	(EMC 1-1.5K: EN62040-2 C1, 2K-3K EN62040-2 C2) for CE models	
PHYSICAL		
Dimension, DxWxH (mm)	630 x 438 x 88	
Net Weight (kgs)	10,6	
	23,3	