

- True double-conversion U.P.S.
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.9
- Wide input voltage
- Converter mode available
- ECO mode for energy saving only available for 1-3KVA models
- Adjustable battery numbers
- Generator compatible
- Smart SNMP works well with either USB or RS-232 together
- Comprehensive display allows easy monitoring and access of UPS status



PASCAL ONLINE U.P.S. (UNINTERRUPTIBLE POWER SUPPLY) SELECTION GUIDE

MODEL	PCL-1000AR	PCL-2000AR	PCL-3000AR	PCL-6000AR	PCL-10.000AR				
PHASE	Single phase with ground								
CAPACITY	1000 VA / 900 W	2000 VA / 1800 W	3000 VA / 2700 W	6000 VA / 5400 W	10000 VA / 9000 W				
INPUT									
Nominal Voltage	200/208/220/230/240VAC			208/220/230/240VAC					
Voltage Range	120-300 VAC (Based on load at 50%) or 180-290 VAC (Based on load at 100%)			110-300 VAC (Based on load at 50%) 176-300 VAC (Based on load at 100%)					
Frequency Range	40Hz ~ 70 Hz			46~54 Hz or 56~64 Hz					
Power Factor	≥ 0.99 @ Nominal Voltage (100% load)								
OUTPUT									
Output Voltage	200/208/220/230/240VAC			208/220/230/240VAC					
Voltage Regulation	± 1%								
Frequency Range (Synchronized Range)	47~ 53 Hz or 57 ~ 63 Hz			46~54 Hz or 56~64 Hz					
Frequency Range (Batt. Mode)	50 Hz or 60Hz ± 0.5%			50 Hz or 60Hz ± 0.1 Hz					
Current Crest Ratio	3:1								
Harmonic Distortion	≤ 3 % THD (Linear Load) ≤ 6 % THD (Non-linear Load)			≤ 3 % THD (Linear Load) ≤ 5 % THD (Non-linear Load)					
Transfer Time	AC Mode to Battery Mode	Zero							
	Inverter to Bypass	4 ms (Typical)			Zero				
Waveform (Batt. Mode)	Pure Sinewave								
EFFICIENCY									
To AC Mode	92%	92%	92%	92%	92%		93%		
To Battery Mode	88%	89%	89%	90%	90%		91%		
BATTERY									
Standard Model	Battery Type	12 V / 7 AH	12 V / 7 AH	12 V / 10 AH	12 V / 10 AH	12 V / 9 AH	12 V / 9 AH	12 V / 9 AH	
	Numbers	3	6	8	16	20	16	20	
	Typical Recharge Time	4 hours recover to 90% capacity			9 hours recover to 90% capacity				
	Charging Current (max.)	1.0 A			1A/2A (Adjustable)				
	Charging Voltage	27.4VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	218.4 VDC ±1%	273 VDC ±1%	218.4 VDC ±1%	273 VDC ±1%	
INDICATORS									
LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators								
ALARM									
Battery Mode	Sounding every 4 seconds								
Low Battery	Sounding every second								
Overload	Sounding twice every second								
Fault	Continuously sounding								
PHYSICAL									
Standard Model	Dimension, D x W x H (mm)	397 x 145 x 220	421 x 190 x 318		369 x 190 x 688	442 x 190 x 688			
	Net Weight (kgs)	12	25	28	61	74	66	76	
ENVIRONMENT									
Humidity	20-90 % RH @ 0- 40°C (non-condensing)			0-95% RH @ 0-40°C (non-condensing)					
Noise Level	Less than 50dBA @ 1 Meter			Less than 55dBA @ 1 Meter		Less than 58dBA @ 1 Meter			
MANAGEMENT									
Smart RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux, Unix, and MAC								
Optional SNMP	Power management from SNMP manager and web browser								

* 1-3KVA: Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 100/200/208VAC
6-10KVA: Derate to 60% of capacity in Frequency converter mode and to 90% when the output voltage is adjusted to 208VAC

Product specifications are subject to change without further notice