

# Porsoo

Electronic ind.

## <<< PEC-NG Series

UPS (Uninterruptible Power Systems)

(ON-Line Double Conversion Technology & high frequency)

Single Phase In / Single Phase Out

Models: **PEC-NG1101**

**PEC-NG1102**

**PEC-NG1103**

*TRUE ON-LINE TECHNOLOGY PROVIDES ALL POWER PROTECTION*

*FULLY DIGITIZED MICROPROCESSOR CONTROLLED*

*WIDE INPUT VOLTAGE RANGE (110V-300V) AC*

*INCREASED OUTPUT POWER FACTOR (0.9)*

*INCREASED INPUT POWER FACTOR ( $\geq 0.99$ )*

*CONTROL PANEL WITH LCD*

*COLD START FUNCTION (DC POWER ON)*

*HIGH EFFICIENCY DESIGN*

*USB COMMUNICATION PORT*

*SNMP (OPTIONAL)*

*EPO (EMERGENCY POWER OFF)*

*EXTERNAL BATTERY CONNECTION FOR LONG BACKUP TIME*

*PROGRAMMABLE OUTPUT*



## UPS PEC- NG SERIES SPECIFICATION

MODEL	PEC-NG1101	PEC- NG1102	PEC- NG1103	
Power Rating	1000VA/900W	2000VA/1800W	3000VA/2700W	
<b>AC INPUT</b>				
Nominal Voltage	220VAC			
Voltage Range	300VAC (70% - 100% load), 140~300VAC (50% - 70% load), 110~300VAC (0-60% load~160)			
Frequency Range	Hz 40~70			
Power Factor	0.99			
<b>AC OUTPUT</b>				
Voltage Range	220VAC± 1%			
Output Waveform	Pure Sine wave			
Power Factor	0.9			
Frequency ( Synchronized Range )	50 or 60Hz			
Frequency Regulation ( Battery Mode)	0.2% ±			
Crest Factor	3:1			
Total Harmonic Distortion	(Non Linear Load) <4% & ( Linear Load )< 2%			
Overload	110% < Load < 150% for 30s			
	Load >150% for 1.5s			
Transfer Time	Zero			
<b>EFFICIENCY</b>				
Efficiency	91%			
<b>BATTERY</b>				
Battery Type	Sealed Lead Acid Maintenance Free			
Batteries voltage	36 V DC	72V DC		
Recharge Time	6 hours to 90% (high current charger)			
<b>PROTECTION</b>				
Protections	Overload, Short Circuit, High Temperature, Over Voltage, Over Current, Battery Guard			
<b>BYPASS</b>				
Before UPS Power-On	Default "NO". Change to "YES": via display panel			
Overload and UPS Failure	Automatically transfer to bypass			
By Setting Voltage Range	176V - 256V			
<b>COMMUNICATION INTERFACE</b>				
Display Panel	LCD:UPS status, I/P & O/P Voltage & Frequency, Load, Battery capacity Temperature, Model Spec., Event Log			
Smart RS-232	Software Support Windows 95/98/NT/2000/2003, Novell and Linux			
SNMP (Optional)	For Net Agent II (Option) with SNMP manager and Web browser			
<b>AUDIBLE ALARM</b>				
Battery Mode	Every 5 seconds sounding (Re-settable)			
Low Battery	Every 2 second sounding			
Overload	Every second sounding			
Fault	Continuously Sounding			
<b>PHYSICAL SPECIFICATION</b>				
Tower	DIMENSION (WxHxD)Tower Case	145x220x400 mm	190x318x421 mm	
	WEIGHT	kg 5.8	kg 12	kg 13.8
Rack Mount	DIMENSION (WxHxD)Tower Case	440x88x465		
	WEIGHT	9.5 kg	11 kg	12 kg
<b>ENVIRONMENT</b>				
Operating Environment	0-40° C			
Storage Temperature	-25°C to 55°C			
Relative Humidity	0-90% (Non-Condensing)			
Noise Level	< 50dB @ 1 Meter			
Altitude	<1500 m			
Standard protection class	IP 20			

\* Internal Battery (Optional)



### Porsoo Electronics Ind.

Central Office Add.: No.2, Azadegan St., Ghaem-Magham-Farahani Ave., Tehran 1586736115 IRAN

Tel.:+98-21-83836

Fax:+98-21-88102600

E-mail: sales@porsoo.ir

After Sales Service:

Tel.:+98-21-83837000

Fax:+98-21-88102610

E-mail: service@porsoo.ir

Website: www.porsoo.ir