

# Porsoo

Electronic ind.



## <<< PEC-NG Series

UPS (Uninterruptible Power Systems)

(ON-Line Double Conversion Technology & high frequency)

Three Phase In / Single Phase Out

**Models: PEC-NG3110**  
**PEC-NG3120**  
**PEC-NG3130**

*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*

*PARALLEL REDUNDANCY N+X UP TO 3 UPSs*

## UPS PEC- NG SERIES SPECIFICATION

| MODEL                                | PEC-NG3110   | PEC- NG3120/PEC-NG3115         | PEC- NG3130      |
|--------------------------------------|--|--------------------------------|------------------|
| Power Rating                         | 10000VA/9000W  | 20000VA/18000W - 15000VA/1350W | 30000VA/27000W   |
| <b>AC INPUT</b>                      |  |                                |                  |
| Nominal Voltage                      | Three phase 3x380VAC (220VAC L-N   |                                |                  |
| Voltage Range                        | L-N 160-276VAC (50% - 100% load), 110~300VAC (0-50% load)                                      |                                |                  |
| Frequency Range                      | Hz 46~54 or Hz 56~64   |                                |                  |
| 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) <5% & ( Linear Load )< 2%  |                                |                  |
| Overload                             | Load <130% for 1m  |                                |                  |
|                                      | Load >130% for 1s  |                                |                  |
| Transfer Time                        | Zero   |                                |                  |
| <b>EFFICIENCY</b>                    |  |                                |                  |
| Efficiency                           | 90%  |                                |                  |
| <b>BATTERY</b>                       |  |                                |                  |
| Battery Type                         | Sealed Lead Acid Maintenance Free  |                                |                  |
| Batteries voltage                    | 240V DC  |                                |                  |
| Recharge Time                        | 8hours to 90%  |                                |                  |
| <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 , 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 4 seconds sounding   |                                |                  |
| Low Battery                          | Every 1 second sounding  |                                |                  |
| Overload                             | Continuously Sounding  |                                |                  |
| Fault                                | Continuously Sounding  |                                |                  |
| <b>PHYSICAL SPECIFICATION</b>        |  |                                |                  |
| DIMENSION (DxWxH)T                   | 592x250x576mm  |                                | 815x250x826mm    |
| WEIGHT                               | 28kg   | 40kg                           | 64kg             |
| <b>ENVIRONMENT</b>                   |  |                                |                  |
| Operating Environment                | 0-40° C  |                                |                  |
| Storage Temperature                  | -25°C to 55°C  |                                |                  |
| Relative Humidity                    | (Non-Condensing) 0-95%   |                                |                  |
| Noise Level                          | 58dB @ 1 Meter   | 60dB @ 1 Meter <               | < 65dB @ 1 Meter |
| Altitude                             | <1500 m  |                                |                  |
| Standard protection class            | IP 20  |                                |                  |

\* Internal Battery (Optional)



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