



Local Area Networks (LAN)

Servers

Data centers

Industrial PLCs

Electronic Point Of Sale (EPOS)

Emergency devices (lights/alarms)

Electro-medical devices



## Power DIALOG Plus

6-10kVA single/single-phase

6,5-10kVA three/single-phase

NETWORK RANGE

The POWER DIALOG PLUS series includes the 6kVA single/single-phase and 6.5-8-10kVA single/single-phase and three/single-phase models and uses double conversion on-line technology (VFI). The load is powered continuously by the inverter with an EMI filtered, stabilised and regulated sinewave supply. The input and output EMI filters considerably increase the immunity of the load to mains disturbances and surges, even on bypass.

For technology, outstanding performance (selectable operating modes: On-line, Economy, Smart-Active and Standby/Off - for emergency lighting applications), advanced diagnostics (standard LCD display, RS232 interfaces with PowerShield<sup>2</sup> software included, EPO input contact, and a network interface slot), POWER DIALOG PLUS provides maximum protection for vital 'mission-critical' networks and security applications (electromedical).

Additional battery extension packs allow the standard battery runtime to be extended up to several hours.

Note the simple installation: the UPS can be connected both to single-phase and three-phase mains supplies (PWP 650-1000).



Remote mimic panel (leds)

### CHARACTERISTICS

- reliable, filtered, stabilised and regulated sinewave output (double conversion on-line technology VFI according to EN50091-3 specifications) with filters for atmospheric disturbance suppression
  - high reliability: full microprocessor control with no-break static and manual by-pass
  - high level diagnostics: states, measurements and alarms - available from the built-in LCD
  - power factor correction with sinusoidal input to ensure a low impact on the mains supply (UPS input power factor, close to 1) for the single-phase/single-phase series
  - very low noise level <40dB(A)
  - low power consumption ("Economy Mode", Smart Active Mode, and Standby/Off Mode to increase efficiency up to 98%)
- Economy Mode: uses Line Interactive (VI) technology to power less critical loads from the mains supply for certain periods. The function can be set from the front panel keypad or remotely using software
- Smart Active: if the mains supply is out of range, the UPS will power the load from the inverter as an On-line UPS. When the mains supply returns to within range again, the UPS will monitor this for a certain period before selecting Line Interactive operation
- Standby/Off: for security applications like emergency lighting where the UPS is switched on but the loads are powered through the bypass supply. When the mains fails or falls outside a preset range the inverter automatically powers the load

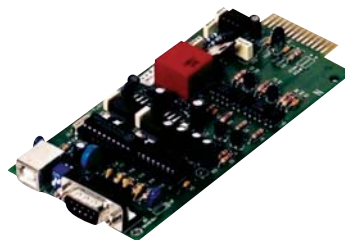


1. UPS on mains
2. UPS on battery
3. Battery replacement alarm
4. Load on by-pass
5. UPS Shutdown (permanent) or stand-by (flashing light)
6. SMART ACTIVE functioning
7. Off button
8. Enter
9. Scroll forward
10. Scroll back
11. On button
12. Digital display

- Simple to install:
  - capability to connect the UPS both to single-phase and three-phase mains supplies (PWP 650-800-1000 models)
  - output terminal block + 2 IEC outlets for powering local equipment (computers, modems and notebooks)
- easy to position (integrated castors)
- built-in automatic and manual battery test feature
- auto restart on mains return (programmable - software or from the front panel)
- back feed protection as standard: to avoid energy feeding back into the mains supply
- integrated automatic and manual by-pass.

#### ADVANCED COMMUNICATION

- compatible with Teleguard for remote maintenance
- advanced, multi-platform communication, for all operating systems and network environments: PowerShield<sup>2</sup> monitoring and shut-down software included, with SNMP agent for Windows 95, 98, 2000, Me, XP, Mac OS X, 9.x, Linux, NT 4.0, Novell operating systems. The UPS is supplied with a communications cable for 'Plug and Play' PC connection
- RS232 serial port (double serial port optional)
- Rear panel IEC socket for supplying local loads
- EPO (Emergency Power Off) contact for remote UPS shut-down.



Slot-in serial port RS232 and USB

Rear view PWP 600



MODELS	PWP 600	PWP 650	PWP 800	PWP 1000
POWER	6000VA/4200W	6500VA/4600W	8000VA/5600W	10000VA/7000W
INPUT				
Rated voltage	230 Vac single-phase	230 Vac single-phase or 400 Vac three-phase with neutral		
Minimum voltage without battery intervention	170 Vac @ load 100% 140 Vac @ load 50%			
Rated frequency	50/60 Hz ±5Hz			
BY PASS				
Voltage range	180 - 264 Vac (selectable in Economy Mode and SMART ACTIVE Mode)			
Frequency range	Selected frequency ±5Hz			
BATTERIES				
Recharge time	6 - 8 h			
OUTPUT				
Rated voltage	220/230/240 Vac selectable			
Static variation	± 1 %			
Dynamic variation	≤ 5% in 20ms			
Wave form	Sinewave			
Voltage distortion with linear load	< 2%			
Voltage distortion with non-linear load	< 5%			
Frequency	50/60 Hz selectable or with autorange			
Crest factor	3 : 1			
OVERLOAD CAPACITY				
100% < Load < 125%	2'			
125% ≤ Load < 150%	30 s			
Load ≥ 150%	0.5 s			

Product characteristics may be changed to meet specific customer demands.

Rear view PWP 650-800-1000



MODELS	PWP 600	PWP 650	PWP 800	PWP 1000
ENVIRONMENTAL				
Efficiency	91%	Input single-phase 91% Input three-phase 92%		
Line-interactive/Smart Active Efficiency	98%			
Operating temperature	0 - 40 °C			
Humidity	< 90% non condensing			
Protection	Overload - short-circuit - overvoltage - undervoltage - temperature - low battery			
Compliance	EN 50091-1-1, Directives 73/23/EEC and 93/68/EEC EN 50091 - 2 cl. A, Directive 89/336			
Colour	Light grey RAL 7035			
Noise	<40 dBA at 1 m			
OPTIONS				
Extended runtime solutions	yes			
Communication software	PowerShield <sup>2</sup> standard version included (for accessories see software datasheet)			
Network card	yes			
Remote mimic panel	yes (see figure p.28)			
Isolation transformer box (hwd)	500x400x265mm 80kg		-	-
Serial port RS232	yes			
Serial port RS232 and USB	yes			
Dry contacts (2A/250V)	yes			
JBUS-MODBUS card	MultiCOM 302 (JBUS-MODBUS) (see accessories datasheet)			
Double serial port RS232	MultiCOM 352 (see accessories datasheet)			
Weight (kg)	100	133	135	
Dimensions (hwd) (mm)	585x283x805	735x283x805		
Back-up (min)	12*	20*	16*	12*

\* According to load applied

Product characteristics may be changed to meet specific customer demands.

**For more information contact Riello Galatrek Ltd:**

Tel: 0800 269 394 or +44-(0)1978 729 297

Email: sales@riello-ups.co.uk

Website: www.riello-ups.co.uk