



## PowerPro HP-200 Series

# CPU Controlled True Double-Conversion, On-line

Three Phase Input and Single Phase Output UPS ranging from 20 – 30kVA

BPC PowerPro HP-200 Series On-Line High Performance UPS, manufactured with the state of the art, PWM and IGBT technology, producing microprocessor controlled pure sine wave output to critical loads. HP-200 Series systems supply and protect large sized networks, communication systems, scientific computer systems, intelligent engineering measuring devices and industrial automation systems.

- True double-conversion and PWM technology
- Galvanic isolation transformer at the inverter output included
- Up to 90% efficiency
- Pure sine wave output
- Static by-pass providing Uninterrupted transfer of the load to the mains in case of overload or UPS fault.
- LCD panel providing accurate detailed information about the Load, Batteries and UPS with advanced diagnostics.
- 64 Recorded real-time events history
- RS232 and dry contacts for communication and remote monitoring
- Input/output customization available
- Compatible with international standards
- 1 year full warranty
- Warranty of 10 years for spare parts supply
- Experienced technical service and customer support
- Designed and manufactured under ISO9001 certification

### OPTIONALS :

- Input isolation transformer
- 1+1 paralleling (redundant - symmetric - hot standby modes selected from LCD panel)
- Wide Area Network management via SNMP
- Remote monitoring panel RM-2000
- Multiserver shutdown units US-4, US-8
- RS485 interface RSC-24



T-Mon Software



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**TECHNICAL SPECIFICATIONS :**

<b>MODEL</b>	<b>HP-220</b>	<b>HP-230</b>
Power	20 kVA	30 kVA
<b>INPUT</b>		
Voltage	230/400 Vac 3phase + N +/-15%	
By-pass Voltage	230 Vac +/- 10%	
Current	3 x 40 A	3 x 60 A
Frequency	50 Hz. +/- 5%	
EMI	EN 50091-2 Class A	
<b>OUTPUT</b>		
Power	20 kVA 14 kW	30 kVA 21 kW
Power factor	0,7	
Voltage	230 Vac	
Paralleling (optional)	1+1 (redundant - symetric - hot standby modes selected from LCD panel)	
Voltage tolerance	+/- 1%	
Frequency	50 Hz.	
Frequency tolerance	line synchronised +/- 2% - free running +/- 0,2	
Efficiency at 100% load	86-90%	86-90%
Total Harmonic Distortion (THD)	< 3%	
Crest factor	3:1	
Overload protection	100% - 125% load 10min. 125% - 150% load 1 min. >150% load by-pass	
Short circuit protection	Electronic short circuit protection	
Communication	dry contacts plus RS232	
Software	T-Mon standard / SNMP module optional	
<b>BATTERIES</b>		
Number	26	26
Float charging voltage	351 VDC	351 VDC
End of discharge voltage	260 VDC	260 VDC
batt type	38ah	38
Battery cabinet	internal	
Battery ambient temperature °C	25 °C	
Battery protection	Automatic circuit breaker	
Battery test	Automatic every 72 hours	
<b>GENERAL</b>		
Temperature range	0 C - 40 C	
Acoustic noise	< 55 dBA	< 55 dBA
Protection degree	IP20	
Altitude	<1000 m.above sea level	
Humidity (non condensed)	90% max.	90% max.
Weight without batteries (kg.)	277	300
Dimensiones (HxWxD) mm.	1360X550X855	1360X550X855