



The British *Power Conversion* Company

PowerPro HP-300 Series

CPU Controlled True Double-Conversion, On-line

Three Phase Input and Three Phase Output UPS ranging from 5 – 150kVA

BPC PowerPro HP-300 Series On-Line High Performance UPS, manufactured with the state of the art, PWM and IGBT technology, producing microprocessor controlled pure sinewave output to critical loads.

HP-300 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
- Inverter stage output Galvanic isolation transformer included
- Up to 91% efficiency
- Parallel mode operation (optional) (hot standby, redundant, symmetric parallel)
- Pure sinewave output
- Static by-pass providing Uninterrupted transfer of the load to the mains in case of overload or UPS fault.
- Static (STS) and Maintenance by-pass (for complete isolation of the UPS during maintenance)
- LCD panel providing accurate detailed information about the Load, Batteries and UPS with advanced diagnostics.
- 3 Microprocessors ;
 - Main control board
 - Rectifier board
 - Optional parallel control board
- Real time clock and calendar indicator
- 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 :

- Increased Power with parallel operation
- Increased reliability with 1+1 redundant operation
- Additional battery modules for extension of autonomy
- UPS Management and System shutdown software compatible with most popular operating systems (Win95/98/2000/NT , Novell, Unix...etc.) Wide Area Network management via SNMP.
- Remote monitoring panel RM-2000
- Multiserver shutdown units US-4, US-8



T-Mon Software



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TECHNICAL SPECIFICATIONS :

MODEL	HP305	HP310	HP315	HP320	HP330	HP340	HP360	HP380	HP3120	HP3150
Output kVA	5	10	15	20	30	40	60	80	120	150
Output kW	4	8	12	16	24	32	48	64	96	120
Power factor	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
INPUT										
Voltage	230/400 VAC 3phase ,4Wires,+ ground									
Tolerance	+/- -15%									
By-pass Voltage	230/400 VAC 3phase +/-10%									
Input frequency	50 Hz. +/- 5%									
Power factor	0,8									
Max. RFI	EN 50091-2 class A									
OUTPUT										
Voltage	230/400 VAC 3phase ,4Wires,+ ground									
Voltage stability	static (balanced load) +/- 1%									
	static (unbalanced load) +/- 2%									
	dynamic (step load 0-100%) +/- 5%									
Output Voltage recovery time	after step load 0-100% max. 20ms.									
Frequency	50 Hz.									
Frequency tolerance	Line synchronized +/- 1%									
	free running +/- 0,2%									
Efficiency at 100% load	>87-91%									
Crest factor	3:1									
Short Circuit protection	Electronic short circuit protection									
Over load capacity	100%-125 load 10 min. 125% - 150% 1 min. >150% by-pass									
Total Harmonic distortion (THD)	Linear Load < 3%									
	Non linear load (75%NP and CF 3:1) <5%									
BATTERIES										
Type	Maintenance free									
Number of	30									
Float Charging Voltage	405									
End of discharge voltage	300 VDC									
Battery charging characteristics	IU(DIN41773)									
Battery Ambient Temperature°C	25°C									
Battery protection	circuit breaker									
Battery Test	automatic battery test once a week									
GENERAL										
Serial communication	dry contacts plus RS232									
Software	T-Mon standard / SNMP module optional									
Protection degree	IP20									
Ambient temp.(operating)	0°C to 40°C									
Ambient temp.(storage)	-20°C to 60°C									
Vantilation	Forced air cooling									
Altitude	<1000 m. (above sea level)									
Relative humidity	90% max (non condensed)									
Acoustic noise	<56dbA	<56dbA	<56dbA	<56dbA	<56dbA	<56dbA	<60dbA	<60dbA	<65dbA	<65dbA
Weight	225	235	250	270	322	484	562	620	810	920
Dimensiones (mm.) HxWxD	1145x485x675	1145x485x675	1145x485x675	1145x485x675	1145x485x675	1400x710x800	1400x710x800	1400x710x800	1600x1100x800	1600x1100x800