



PowerPro CL 300 Range

Three Phase Input & Output Online Transformerless UPS
CleanLine Performance



The British Power Conversion Company



Features:

- High input power factor
- Low input current THD
- High efficiency up to 93%
- Cold Start
- Static and maintenance bypass
- Overload and short circuit protection
- Emergency stop utility, built-in
- 128 recorded event history
- Parallel options up to 4 units
- Calendar and time indicator
- Advanced automatic and manual battery test system
- Temperature compensated battery charging
- Dial up modem direct connection and AT command set built-in
- RS232 and dry contacts for communication and remote monitoring
- Input / output customisation optional
- SNMP compatible communication

Technical Specification

Model	CL310	CL315	CL320	CL330	CL340	CL360	CL380	CL3100	CL3120	CL3160	CL3200	CL3250
Power Rating kVA/kW	10/8	15/12	20/16	30/24	40/32	60/48	80/64	100/80	120/96	160/128	200/160	250/200
Input												
Nominal Voltage	230/400 VAC 3 Phase, 4 wire, +/-20%											
Bypass Voltage	230/400 VAC 3 Phase, 4 wire, +/-20%											
Power Factor	»0.98											
Input Frequency	50Hz / 60Hz +/- 5%											
Input THDi	<5%											
EMI	EN50091-2 Class A											
Output												
Power Factor	0.8											
Voltage	230/400 VAC 3 Phase, 4 Wire, +/-1%											
Frequency	50Hz / 60Hz											
Frequency Tolerance	+/-2% (line synchronised) / +/-0.2% (free running)											
Efficiency at 100% Load	»91%											
Crest Factor	3.1											
Overload Protection	100% - 125% load: 10min, 125% - 150% load: 1min, »150% load: bypass											
Short Circuit Protection	Electronic short circuit protection											
Total Harmonic Distortion	<3%											
Batteries												
Type	Sealed Lead Acid – Maintenance Free											
Number of Batteries	2 x 30 batteries											
Float Charging Voltage	2x 405 VDC											
End of Discharge Voltage	2x 300 VDC											
Battery Cabinet	Internal						External battery cabinet					
Ambient Temperature	25° C											
Battery Protection	Automatic circuit breaker											
Battery Test	Standard (every 72 hours)											
General												
Software	T-mon UPS management software (3 clients standard)											
Communication	Dry contacts & RS232											
Temperature Range	0° C - 40° C											
Relative Humidity & Altitude	90% max. (non-condensing) / <1000m above sea level											
Protection Degree & Acoustic Noise	IP20 / <50dBa (at 1m distance)											
Dimensions w x d x h (mm)	375 x 725 x 1030			495 x 835 x 1445				780 x 890 x 1900				
Weight (Kgs)	96	105	110	183	196	225	350	350	375	425	435	450
Options												
Transformer	Galvanic isolation transformer at the input or output											
Parallel Operation	1+3 Systems (N+1 redundant, redundant, symmetric parallel)											