

**Three Input / Single Phase Output Double Conversion Online**

**DP 2000 SERIES**

The DP2000 uses true on-line double conversion technology and in conjunction with its flexibility provides advanced power protection for mission critical applications under all types of supply conditions.

The DP2000 is supplied standard for a single input configuration. It is however possible to increase power reliability by installing the DP2000 with a split bypass configuration. To further improve redundancy a hot stand-by configuration can be used whereby one UPS backs up another UPS.

THE DP2000 is supplied standard with a single phase thyristor static bypass switch and a manual bypass. The DP2000 can be supplied with an isolation transformer in a separate cabinet. The DP 2000 is fitted standard with a front panel mimic. An optional LCD display can also be fitted. The front panel mimic gives real time status at a glance, while the LCD display allows diagnostics of the UPS. The DP2000 can be fitted with a potential free contact card for BMS interface or remote status monitoring.



**FRONT VIEW**

**REAR VIEW**

**TECHNICAL SPECIFICATIONS**

MODEL		DP2010-31	DP2015-31	DP2020-31	DP2025-31	DP2030-31
Output	Phase	1 Phase, 2 wire + earth, 0,8 pf rated, sinewave				
	VA Rating	10KVA	15KVA	20KVA	25KVA	30KVA
	Kilo watt Rating	8 kW	12 kW	16 kW	20kW	24kW
	Output Current at rated VA load	45 A	68 A	91 A	111 A	133 A
	Voltage	220 / 230 VAC – Other voltages on request				
	Static Regulation	+/- 1%				
	Dynamic Regulation	+/-5% (100% load step) Recovery to 2% within 20ms				
	Frequency: Free Running Synch to Mains	50Hz +/- 0.02% 48.5 – 51.5 Hz. Adjustable, other frequencies on request				
	Total Harmonic Distortion	<3% for linear loads, <5% for non linear loads				
	Overload Capacity	105% continuous / 110% 60min. / 125% 1min / 150% 25sec				
	Crest Factor	>3:1 at full inverter load				
	Efficiency AC – AC	90% @ full load and rated voltage				
	Efficiency inverter	92% @ full load				
	Output transformer	Double wound for galvanic isolation				
Output protection	Electronic and circuit breaker/fuses					
Input	Voltage	380 / 400VAC 3 Phase 4 Wire+E, other voltages on request				
	Frequency	50/60 Hz +/- 5%				
	Voltage Range	380 / 400 volts -10% to +15%				

## DP 2000 SERIES continued

Model		DP2010-31	DP2015-31	DP2020-31	DP2025-31	DP2030-31
DC link and Battery	Voltage	Nominal voltage 360 volts, Float charge 405 volts, Shutdown voltage 295 volts, all voltages adjustable on the machine				
	Maximum DC charge current	10 amps, adjustable				
	Ripple voltage	Less than 1%				
	Internal batteries 12V7ah	Yes	No	No	No	No
	Internal batteries 12V12ah	Yes	No	No	No	No
	Battery types available	3-5 yr Low maintenance, 3-5 and 10 yr VRLA, all types of Vented lead acid and Nickel Cadmium				
	Number of lead acid cells	180 cells				
Oscillator	Crystal	Internal to microprocessor				
Static Bypass Switch	Type	Thyristor bridge				
	Rated Current	1.5 In				
	Overload Capacity	150% Continuous 200% 1 Min 1000% 10ms				
Environmental	Temperature	0 –40 deg. Celsius, 15 to 25 degrees recommended, 0 to 35 degrees continuous				
	Humidity	0 –90% non condensing				
	Maximum altitude without de rating	0 – 2000 meters				
	Cabinet colour	RAL 7032 interior				
	Heat generation at full load	1100 watts	1650 watts	2200 watts	2500 watts	3000 watts
	Recommended supply CB	60 A 3P	80 A 3P	100 A 3P	125 A 3P	160 A 3P
	Recommended supply cable for bypass and rectifier from 1 feeder	10 mm <sup>2</sup> 4W + E	16 mm <sup>2</sup> 4W + E	25 mm <sup>2</sup> 4W + E	25 mm <sup>2</sup> 4W + E	35 mm <sup>2</sup> 4W + E
	Recommended output CB	60 A 1P	80 A 1P	100 A 1P	125 A 3P	160 A 3P
	Recommended output cable	10 mm <sup>2</sup> 2W + E	16 mm <sup>2</sup> 2W + E	25 mm <sup>2</sup> 2W + E	25 mm <sup>2</sup> 2W + E	35 mm <sup>2</sup> 2W + E
Dimensions	UPS ( w x h x d )	540 x 930 x 760 mm			700 x 800 x 1600 mm	
	Battery box type 1P	350 x 860 x 760 mm				
	Battery box type 3P	540 x 930 x 760 mm				
Noise level	dBA	<55				
<b>Optional Items</b>	RS232 , GSM, LCD display, Voltage free contacts, Shutdown and monitoring software					
<b>Other</b>						
Degree of protection		IP21				
Split bypass operation		Yes				
Warranty		12 months				

We reserve the right to change specifications without prior notice

Ref : cat2004/DP2