

Single Phase Double Conversion Online

DP 1000 SERIES

The DP1000 UPS uses true on-line double conversion technology, thus ensuring that its load receives the best quality power under all mains conditions. The DP1000 uses a micro processor controlled, single phase thyristor rectifier. The flexible charging characteristic of the rectifier makes the DP1000 the ideal choice in the case of battery backup times exceeding 10 minutes.

The DP1000 uses micro processor control, to recreate the perfect sine wave for your loads. The pulse inverter will protect the UPS's Loads from all types of mains conditions that will damage critical loads. THE DP1000 is supplied standard with a thyristor static bypass switch and manual bypass. The DP1000 is fitted standard with a front panel mimic. An optional LCD display can be fitted. The DP1000 can be fitted with a potential free contact card for BMS interface or remote status monitoring.



FRONT VIEW

REAR VIEW

TECHNICAL SPECIFICATIONS

MODEL		DP1004-11	DP1005-11	DP1006-11	DP1008-11	DP1010-11
Output	Phase	1 phase, 2 wire + earth, 0,8 lag pf rated, sinewave				
	VA Rating	4KVA	5KVA	6KVA	8KVA	10KVA
	Kilo watt Rating	3,2 kW	4 kW	4,8 kW	6,4 kW	8 kW
	Output Current at rated VA load	18A	23A	28A	36A	45A
	Voltage	220 / 230VAC – Other voltages on request				
	Static Regulation	+/- 1%				
	Dynamic Regulation	+/-5% (100% load step) Recovery to 2% within 20ms				
	Frequency: Free Running	50Hz +/- 0.01%				
	Synch to Mains	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 @ rated 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					

DP 1000 SERIES continued

MODEL		DP1004-11	DP1005-11	DP1006-11	DP1008-11	DP1010-11
Input	Voltage	220 / 230VAC 1 Phase 2 Wire+E, other voltages on request				
	Frequency	50/60 Hz +/- 5% , other frequencies on request				
	Voltage Range	220 volts -10% to +15% before going onto battery				
DC link and Battery	Voltage	Nominal voltage 192 volts, Float charge 216 volts, Shutdown voltage 157 volts, all voltages adjustable on the machine				
	Maximum DC charge current	8 amps, adjustable				
	Ripple voltage	Less than 1%				
	Internal batts. 12V/7Ah	Yes	Yes	Yes	No	No
	Internal batts. 12V/12Ah	Yes	Yes	Yes	No	No
	Battery types available	3-5 yr Low maintenance, 3-5 and 1- yr VRLA, all types of vented lead acid and nickel cadmium				
	Number of lead acid cells	96 cells				
Oscillator	Crystal	Internal to microprocessor				
Static Bypass Switch	Type	Thyristor bridge				
Rating	Rated Current	1.5 In				
Overload	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				
	Max. altitude without derating	0 - 2000 meters				
	Cabinet colour	RAL7032 interior				
	Heat generation at full load	520 watts	650 watts	780 watts	1040 watts	1300 watts
	Recommended supply CB	30 A 1P	30 A 1P	45A 1P	63A 1P	63A 1P
Dimensions	UPS (wxhxd)	350 x 860 x 760 mm 350 x 860 x 760 mm 540 x 930 x 760 mm				
	Battery box type 1P					
	Battery box type 3P					
Noise level	DBA	< 50				
Optional Items		RS232 , GSM, LCD display, Voltage free contacts, Shutdown and monitoring software				
Other						
Degree of protection		IP21				

We reserve the right to change specifications without prior notice

Ref : cat2004/DP1

Tel: (011) 886-7874

Fax: (011) 787-0178

Email: sales@sinetech.co.za