

Three Input / Three Phase Output Double Conversion Online

DP 3000 SERIES

The DP3000 is fitted as a standard with a micro processor controlled, three phase, thyristor rectifier. Capable of delivering maximum battery recharge current, and full inverter load, the rectifier employs state of the art technology and design. In order to comply with SABS standards the DP3000 is also available with an input harmonic filter option.

The DP3000 is available with windows based service software allowing interrogation of the UPS. This software gives a detailed service report including an event history.

An option with the DP3000 UPS is for it to be supplied with a battery monitoring system.

The DP3000 uses micro processor control and pulse width modulation (PWM), to recreate the perfect sine wave for your loads. The three phase, IGBT inverter will protect the UPS's loads from all types of mains conditions that will damage critical loads. The DP3000 is fitted standard with a front panel mimic and LCD display.



FRONT VIEW

OPEN FRONT VIEW

TECHNICAL SPECIFICATIONS

MODEL	DP3010-33	DP3015-33	DP3020-33	DP3030-33	DP3040-33	DP3060-33	DP3080-33	DP301000-33										
Output	Phase									Three Phase, 4 wire + earth, 0,8 pf rated, sinewave								
	VA Rating	10KVA	15KVA	20 kVA	30 kVA	40 kVA	60 kVA	80 kVA	100 kVA									
	Kilo watt rating	8 kW	12 kW	16 kW	24 kW	32 kW	48 kW	64 kW	80 kW									
	Output Current per phase at rated VA load	14 A	21 A	29 A	43	58	87	118	148									
	Voltage	380/400 VAC – Other voltages on request																
	Static Regulation	+/- 1%																
	Dynamic Regulation	+/-5% (100% load step) Recovery to 2% within 20ms																
	Frequency: Free Running	50Hz +/- 0.02%																
	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 at full inverter load																
	Slew rate	1 Hz per second adjustable																
	Phase imbalance at full load/100% unbalanced load	< 1%																
	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																	

DP 3000 SERIES continued

MODELS		DP3010-33	DP3015-33	DP3020-33	DP3030-33	DP3040-33	DP3060-33	DP3080-33	DP3010-0-33
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%							
DC link and battery	Voltage	Nominal voltage 360 volts, Float charge 405 volts, Shutdown voltage 295 volts, all voltages adjustable on the machine				Nominal voltage 396 volts, Float charge 445 volts, Shutdown voltage 347 volts, all voltages adjustable on the machine			
	Maximum DC charge current	20 amps, adjustable							
	Ripple voltage	Less than 1%							
	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							
LCD display as standard		Measurement of input, bypass and output voltage, output current and frequency DC voltage and event history							
Environmental	Temperature	0 -40 deg. Celsius, 15 to 25 degrees recommended, 0 to 35 degrees continuous							
	Humidity	0 -90% non condensing							
	Maximum altitude without derating	0 - 2000 meters							
	Cabinet colour	RAL 7032 interior							
	Heat generation at full load	890 watts	1350 watts	1800 watts	2700 watts	3600 watts	5400 watts	6400 watts	8000 watts
	Recommended supply CB	30 A 3P	40 A 3P	50 A 3P	80 A 3P	100 A 3P	125 A 3P	160 A 3P	200 A 3P
	Recommended supply cable for bypass and rectifier from 1 feeder	4 mm ² 4W + E	6 mm ² 4W + E	10 mm ² 4W + E	16 mm ² 4W + E	25 mm ² 4W + E	35 mm ² 4W + E	50 mm ² 4W + E	75 mm ² 4W + E
	Recommended output CB	20 A 3P	30 A 3P	30 A 3P	50 A 3P	60 A 3P	100 A 3P	125 A 3P	160 A 3P
	Recommended output cable	2,5 mm ² 4W + E	4 mm ² 4W + E	4 mm ² 4W + E	6 mm ² 4W + E	16 mm ² 4W + E	25 mm ² 4W + E	30 mm ² 4W + E	50 mm ² 4W + E
Dimensions	UPS (w x h x d)	650 x 1600 x 750 mm						1000x 900x800 mm	
	BATT Box 33P BATT 4500	650 x 1600 x 75mm (Up to 30 x 12V / 102 Ah)						800 x 1800 x 760mm (Up to 34 x 12V / 102 Ah)	
Noise level	DBA	<65							
Optional Items	RS232 , GSM, Voltage free contacts, Shutdown and monitoring software, Battery manager, Input Harmonic filter								
Other									
Degree of protection	IP21								
RFI filtering	Yes								
Warranty	12 months								

We reserve the right to change specifications without prior notice

Ref : cat2004/DP3

Tel: (011) 886-7874

Fax: (011) 787-0178

Email: sales@sinetech.co.za