Durapower
MANUFACTURING (PTY) LTD

DP3000M

UNINTERRUPTIBLE POWER SUPPLIES

Three phase input three phase output UPS system

In the modern world, with business reliance on sophisticated information technology equipment becoming ever more prevelant, there is a growing need for reliable and secure power.

Durapower Manufacturing is a South African company specialising in the design and manufacture of standby power equipment.

OUR DP FAMILY

PROTECT YOUR CRITICAL LOADS

DP3000M

Together with our partners, who are based countrywide, we provide solutions to power related problems:

- Proven designs based on an understanding of the power problems prevelant in Southern Africa
- Business partners with the required experience and infrastructure to provide quality installation and after sales service.

CHOOSE THE UPS THAT HAS A PROVEN TRACK RECORD IN THE INFORMATION TECHNOLOGY, INDUSTRIAL AND MINING INDUSTRIES.

New DP3000M, modular design featuring removable power module. Replacement power modules available on a service exchange basis. Minimum down time, simpler on site repairs.

Local design and manufacture equates to:

- Prompt response for customer needs
- Custom engineering to meet clients specific requirements
- Reliable communication paths between customer and manufacturer

- **True online double conversion design for maximum protection against power line disturbances and outages**
- Extended battery run times available
- **Micro processor controlled for maximum relability**
- Advanced communications
- **Full static and manual bypass so that power is available 24/7**
- Available in other voltages i.e. 110 Volt and 525 Volt on request

DP3000M
- WITHOUT CASING

Taking Charge of Clean Power

275 Granville Avenue North, Robertville Ext. 10, Roodepoort
T: +27 11 672 4720 | **F:** +27 11 672 4730 | **E:** sales@durapower.co.za | **W:** www.durapower.co.za

Amecor AMALGAMATED ELECTRONIC CORPORATION

Models	UOM	DP3010M	DP3015M	DP3020M	DP3030M	DP3040M	DP3050M	DP3060M
Nominal Power Rating at 0.8 pf	KVA	10	15	20	30	40	50	60
Output Parameters								
Inverter Type		High frequency IGBT DSP controller						
Output power	KW	8	12	16	24	32	40	48
Output Current at rated KVA	A	14	22	29	43	58	72	87
Output Voltage	VAC	380/400/415 (400V standard) 3PH 4W + Neutral						
Output Voltage Regulation	%	+/- 1%						
Output Voltage THD	%	<2% for linear loads, <5% for 3:1 Crest factor loads						
Output Frequency	Hz	50						
Output Frequency Regulation	%	50Hz +/- 0.02						
Output Frequency Window	Hz	48.5Hz-51.5Hz synch to mains						
Output Voltage Dynamic Regulation	%	+/-5% (100% load step) Recovery to 2% within 20ms						
Overload Capacity KVA	%FL	105% continuous/ 110% 10min / 125% 1min / 150% 25sec						
Overload Capacity KW	%FL	110% continuous/ 150% 1min / 180% 25sec						
Efficiency -AC-AC	%	90% at full load and rated input voltage						
Efficiency - Inverter/Converter	%	92% at full load						
Output Transformer		Standard Double wound for galvanic isolation						
Output Protection		Electronic and Fuse						
Input Parameters								
Rectifier Type		6 pulse microprocessor controlled silicon rectifier						
Input Voltage to Rectifier	VAC	380/400/415 (400V standard) 3PH 4W + Neutral						
Input Voltage to Bypass	VAC	380/400/415 (400V standard) 3PH 4W + Neutral+/-10%						
Input Voltage Range to Rectifier	VAC	352 to 477						
Input Frequency	Hz	50						
Input Frequency Range for Rectifier	Hz	40 to 65						
Input Current THD at nominal Voltage	%	<30% at full load standard						
Input Power Factor at nominal Voltage		>0.7 at full load						
Battery								
Battery Type		VRLA(Valve Regulated Lead Acid) or Wet						
Nominal Battery Bus	VDC	360 (Float 405V) User Adjustable						
AC ripple current in Float mode	%	<5 % of C10 Ahr rating of battery						
DC ripple voltage in Float mode	%	<1						
End of Discharge		User Adjustable via laptop						
Static Bypass								
Type		VRLA(Valve Regulated Lead Acid) or Wet						
Rated Current		1.5 In						
Maintenance Bypass		Standard						
Overload Capacity		200% 1Min 1000% 10ms						
Physical Parameters								
Dimensions UPS (WxDXH)	mm	560 X780 X 1170				660 X 800 X 1370		
Weight UPS	kg	235	295	325	350	281	314	374
Colour		Anthracite Grey - RAL7016						
Protection		IP21						
Standards		IEC 62040-3, IEC60146-1-1, IEC 61000-4-2, EN 50091						
Environmental								
Operating Temperature		0-40 deg Celsius, 15 to 25 degrees recommended, 0 to 35 deg continuous						
Humidity		0-90% non condensing						
Maximum Altitude		0-2000 meters without de-rating						

Rev 06/14

Durapower products available from:

Manufactured in South Africa