Proven designs based on an understanding of the power problems prevalent in Southern Africa.

Quality installation & after-sales service

DP2000
UNINTERRUPTIBLE POWER SUPPLY

The DP2000M modular design features a removable power module. Replacement power modules are available on a service-exchange basis.

Minimum downtime, simpler on-site repairs.

Local design and manufacture equates to:
• Prompt response for customer needs.
• Customer 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 reliability.
• Advanced communications.
• Full static and manual bypass so that power is available 24/7.
• Available in other voltages ie 110V and 525V on request.

Choose the UPS that has a proven track-record in the information Technology, Industrial and Mining Industries.

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ELECTRICITY EVERYWHERE

SINETECH
THE POWER OF CHOICE
## DP2000 - True Online Double Conversion

### Models

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</thead>
<tbody>
<tr>
<td>Nominal Power Rating at 0.8 pf</td>
<td>10kVA</td>
<td>15kVA</td>
<td>20kVA</td>
<td>25kVA</td>
<td>30kVA</td>
<td>40kVA</td>
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</tbody>
</table>

### Output Parameters

- **Inverter Type**: High frequency IGBT Microprocessor controlled
- **Output Power**: 8kW, 12kW, 16kW, 20kW, 24kW, 32kW
- **Output Voltage (VAC)**: 230V standard 2 Wire + Earth
- **Output Voltage Regulation**: +/- 1%
- **Output Voltage THD**: <3% for linear loads, <5% for 3:1 Crest factor loads
- **Output Frequency**: 50Hz
- **Output Frequency Regulation**: 50Hz +/- 0.02
- **Output Frequency Window**: 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**: 400V standard 4W + N + Earth
- **Input Voltage to Bypass**: 230V standard 2W + Earth +/-10%
- **Input Voltage Range to Rectifier (VAC)**: 352 to 477
- **Input Frequency**: 50Hz
- **Input Frequency Range for Rectifier**: 40 to 65Hz
- **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 Ah rating of battery
- **DC ripple voltage in Float mode**: <1
- **Internal Batteries**: 12V 7aH/9aH x 30 available on 10KVA only
- **End of Discharge**: User Adjustable via laptop

### Static Bypass

- **Type**: Thyristor Bridge
- **Rated Current**: 1.5 In
- **Maintenance Bypass**: Standard
- **Overload Capacity**: 200% 1Min 1000% 10ms

### Physical Parameters

- **Dimensions UPS (mm)**: W355 D760 H850, W350 D700 H990, W560 D780 H1170
- **Dimensions Battery Cabinet (mm)**: 1P W430 D760 H860 | 2P W560 D760 H950 | 3P/B W530 D750 H1600 | 3P W800 D750 H1600
- **Weight UPS**: 164kg, 174kg, 189kg, 198kg, 374kg, 450kg
- **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

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While every precaution has been taken to ensure accuracy of this specification, Sinetech assumes no responsibility, and disclaims all liability for damages resulting from use of this information. Specification subject to change without notice.