



## 320 kVA Containerised UPS

**The Arun Model UPS0320 Uninterruptible Power Supply is manufactured to International Standards and renowned for its superior performance and reliability.**

Based on years of experience, this complete UPS will provide the reliability and performance you need for your critical applications.

24 Hour Support and quick response will give you peace of mind, however with a Mean Time Before Failure of power to the load in excess of 20 Years, you may never need to look at the user friendly LCD panels and even less likely to see inside ?



### Features and Benefits

The UPS is supplied complete with the following :

- 4 x 80 kVA synchronised and redundant UPS
- Separate Dual Battery system with each UPS
- Manual By-Pass Switch and Emergency Power Off Switch on each UPS
- Static By-Pass in case of overload
- Input and Output Chokes / Filters
- Fully insulated container, with access doors, lighting, safety equipment and signs.
- Separate oversized Air Conditioning Unit.
- Overall System designed for easy maintenance and servicing – reduces down time and reduces your site risk
- CE Certified
- 24 Hour Contact Numbers
- Emergency Callout
- Wiring diagrams (optional Arun install)
- Commissioning, operator on site training and instruction manual all included.

kVA	Type of Operation	KW @ 0.8 p.f.	Nominal Current	Static By Pass	Manual Bypass	E.P.O.	RS485 inc.?	Upgrade possible
80	Single Unit	64	115.6 A	Yes	Yes	Yes	Yes	Yes
240	N+ 1 Redundant	192	346.8 A	Yes	Yes	Yes	Yes	Yes
320	Maximum Load	256	462.4 A	Yes	Yes	Yes	Yes	Yes

All ratings data based upon operation at up to 40°C Ambient, 1000m.a.s.l. and 60% relative humidity. Above these, derates may apply. kVA Ratings based on 0.8 power factor.

# UPS TECHNICAL DATA

Max Output = 320 kVA (256 kWe) 3 Phase at 0.8 p.f.

## Input

Nominal Voltage  
Voltage range  
  
Nominal Frequency  
Power Factor (400V)  
Current Distortion  
Rectifier Soft Start Time

Nominal Voltage  
Nominal Frequency  
Overload Capacity

Transfer Times

## Static Switch

380 – 400V 3Ph+ N  
50 / 60 Hz +/- 10 %  
50 % for 30min  
1000 % for 100ms  
Inverter Fault =< 1ms  
Inverter Overload 0ms  
Line to Inverter 0ms

## Output

Nominal Voltage  
Voltage Stability  
Nominal Frequency  
Frequency Stability  
Waveform  
THD : Balanced Load  
THD : Unbalanced Load  
Recovery Time  
Voltage Overload

380/400/415V 3Ph+ N  
+/- 1 % Static or Dynamic  
50 / 60 Hz  
Selectable up to 2.4 %  
Sinusoidal  
=< 1.5 %  
=< 4.0 %  
10 ms  
110 % for 60min  
125 % for 10s  
150 % for 1s

Phase Angle Precision

+/- 1 % Balance Load  
+/- 3 % Unbalanced Load

DC/AC Efficiency

93.2 %

## System Data

Noise at 1 m 55 dBa  
Operating Temperature 0 °C to 40 °C  
Relative Humidity <90% at 20 °C  
non condensing  
Altitude Derate 5% every 1000m

## Mechanical Data

Protection IP21  
Access Front  
Cooling Forced

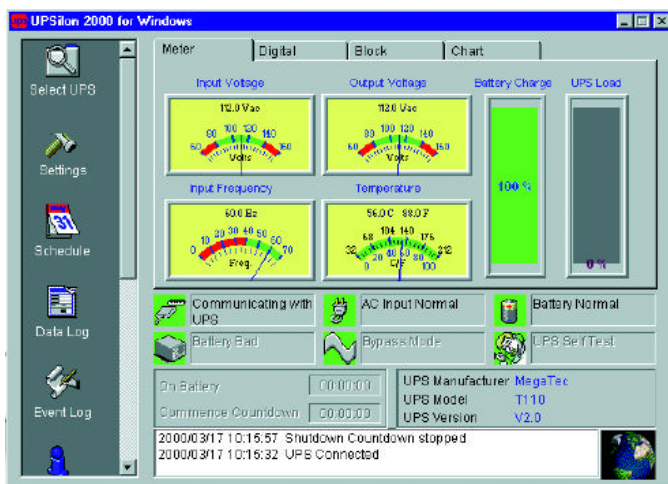
## Dimensions

UPS Container

Length – 9000 mm  
Width – 3000 mm  
Height – 2500 mm  
Weight – 10,000 kgs

Air Conditioning Unit

Length – 2500 mm  
Width – 2500 mm  
Height – 1250 mm  
Weight – 1,000 kgs



For further information and pricing please contact our U.K. Sales Office or Agent in your local country.

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