



Manufacturers

An ISO 9001:2008 Certified

Our Online UPS

Single phase-in Single phase-out : Upto 20 KVA DC Bus 144 V – 240 V



Single phase-in Single phase-out

Salient Features

Technical Specifications

Self & Diagnostics Features

Indicators

Ambient Conditions

Metering

Features (optional)

Salient Features

- Wide Input Window
- Generator Compatible
- High Input Power Factor
- Micro Processor / Dsp Based Design
- Float Cum Boost Charger
- IGBT Based High Frequency Pwm Inverter
- Soft Start Facility
- Inverter Efficiency > 90%
- Distortion Less Than 3%
- Crystal Controlled Output Frequency (50 hz + 0.01%)
- Low Noise < 55 db Upto 50 KVA
- Output Isolation
- High Crest Factor 3:1
- Compact, Slick Design
- Back-up upto 8hrs

www.orbitpowertronics.com

Single phase-in Single phase-out

Salient Features

Technical Specifications

Self & Diagnostics Features

Indicators

Ambient Conditions

Metering

Features (optional)

Technical Specifications

1. AC Input range : 160 V - 270 V
2. Input Frequency : 47 Hz – 53 Hz
3. Output Voltage : 230 V +/- 1%
4. Output Frequency : 50 Hz +/- 0.5 Hz
5. Waveform : Signwave
6. Harmonic Distribution : <3%
7. Inverter efficiency : >90%
8. Power Factor : 0.8 lagging to unity
9. Overload : 110% for 5 minutes
10. Crest Factor : 3:1
11. Transient Recovery : within 3 Cycles
12. Audible Noise : Less than 55 db upto 1 meter



www.orbitpowertronics.com



Single phase-in Single phase-out

Salient Features

Technical Specifications

Self & Diagnostics Features

Indicators

Ambient Conditions

Metering

Features (optional)

Self & Diagnostics Features

An electronics circuit with digital logics continuously searches for the following faults and trips the system with audio-visual indications:

- Battery Over Voltage
- Battery Under Voltage
- Output AC Over Voltage
- Output Overload / short-Circuit
- Phase Fail for Three Phase models

www.orbitpowertronics.com

Single phase-in Single phase-out

Salient Features

Technical Specifications

Self & Diagnostics Features

Indicators

Ambient Conditions

Metering

Features (optional)

Indicators

- Mains On
- Output On
- Inverter Overload
- Battery Low
- Output High Back Up



www.orbitpowertronics.com



Single phase-in Single phase-out

Salient Features

Technical Specifications

Self & Diagnostics Features

Indicators

Ambient Conditions

Metering

Features (optional)

Ambient Conditions

Operating: 0°C - 45°C , Storage: 0°C - 60°C, Relative Humidity: 95% RH, Operating Altitude: upto 2000 meters.

www.orbitpowertronics.com

Single phase-in Single phase-out

Salient Features

Technical Specifications

Self & Diagnostics Features

Indicators

Ambient Conditions

Metering

Features (optional)

Metering

Digital Metering for input voltage / output voltage frequency, output load, batteries percentage.



www.orbitpowertronics.com



Single phase-in Single phase-out

Salient Features

Technical Specifications

Self & Diagnostics Features

Indicators

Ambient Conditions

Metering

Features (optional)

Features (optional)

Static By-Pass Switch, Serial RS 232 Inter face, Auto File Shutdown, Microprocessor based Digital Metering

www.orbitpowertronics.com