## INPUT

| | |
|---|---|
| Nominal Voltage | : 220VAC / 380VAC<br>Selectable: 230VAC / 400VAC<br>240VAC / 415VAC |
| Phase | : Three Phase with Neutral plus ground (4 wires + Ground) |
| Power Factor | : ≥ 0.99 |
| Voltage Range | : 116 ~ 276VAC / 201 ~ 478VAC (- 50% + 20%),<br>100% Load: 190 ~ 276VAC / 330 ~ 478VAC, (- 15% + 20%),<br>50% Load: 116 ~ 276VAC / 201 ~ 478VAC (- 50%, + 20%) |
| Nominal Frequency | : 50/60Hz, configurable |
| Frequency Range | : 42 ~ 70Hz |
| THDi | : <3% |
| AC Input Full Load Current (Plus Battery charging) | : 330A |
| Protection | : Fuse & Breaker |
| Connection | : Terminal block |

## BYPASS

| | |
|---|---|
| Nominal Bypass Voltage | : 220VAC / 380VAC<br>Selectable: 230VAC / 400VAC<br>240VAC / 415VAC |
| Phase | : Three Phase with Neutral plus ground (4 wires + Ground) |
| Bypass Voltage Range | : 220VAC / 380VAC ± 15% (Default)<br>Max selection range ± 20% |
| Protection | : Fuse & Breaker |
| Maintenance Bypass Switch | : Available |
| Connection | : Terminal block |

Auto transfer to Bypass mode when UPS is abnormal

Or manual transfer to bypass mode via Maintenance Bypass Switch (MBS)

## OUTPUT

| | |
|---|---|
| Power Capacity | : 200kVA /200kW |
| Power Factor | : 1 |
| Nominal Voltage | : 230/400VAC, Configurable: 220/380VAC, 240/415VAC |
| Voltage Regulation | : < 1% at steady state |
| Phase | : Three Phase with Neutral plus ground (4 wires + Ground) |
| Waveform | : Sine wave |
| Voltage Distortion | : < 2% for Linear load, < 5% for Non-linear load |
| Frequency | : 50/60Hz, configurable |
| Unbalanced load | : 100% |
| Load Crest Ratio | : 3:1 |
| Efficiency | : Up to 96% in double-conversion mode<br>Up to 99% in ECO mode |
| Overload Capability | : 60 min for 102% ~ 110% load<br>10 min for 111% ~ 125% load<br>1 min for 126% ~ 150% load<br>150 ms for >151% load |
| AC Output Full Load Current | : 290A |
| Connection | : Terminal block |

## BATTERY & CHARGER

| | |
|---|---|
| Type | : VRLA, Gel, NiCad, Lithium-ion |
| Nominal DC Voltage | : Default 432VDC, adjust from 320VDC to 607VDC |
| Charging configuration | : ABM or float charge |
| Capacity range | : Option (Selected according to the required backup time) |
| Backup time | : Depends on the external battery capacity |
| Charge Voltage | : ABM Fload Voltage 2.30V/Cell<br>Battery Constant Float Voltage 2.28V/Cell<br>Battery Opportunity Charge Voltage 2.1V/Cell |
| Battery Low Alarm Voltage | : 1.81V/Cell |
| Battery Low Shutdown Voltage | : 1.75V/Cell |
| Discharge end off voltage | : 1.67V/Cell |
| Over Voltage Protection | : 2.45V/Cell |
| Charging current | : 200A, configurable |
| Protection | : Internal Fuses |
| Connection | : Terminal block |



TC = 25°C, Unless otherwise noted

## TRANSFER TIME

| | |
|---|---|
| Line mode to Battery mode | : 0ms |
| Bypass to Inverter and vice versa | : 0ms |
| ECO mode to Line mode | : 2ms ~ 4ms |

## INTERFACE & CONTROL

| | |
|---|---|
| Indicators | : LED & LCD display |
| DC Power Start | : Yes |
| Communications Port | : RS232<br>Intelligent Slot * 2<br>Building Alarm Ports<br>Dry contact |
| EPO | : Available |
| Parallel | : Available up to 4 units |
| Cooling | : Force air cooling |

## ENVIRONMENTAL

| | |
|---|---|
| Operating Temperature | : 0–40°C , the recommended operating temperature is 25°C<br>The use shall be derated at 40–50°C |
| Storage Temperature | : -15°C ~ 55°C (placed in the protective packaging materials) |
| Humidity | : 5% ~ 95%, Non-condensing |
| Altitude | : < 1000 m |

## STANDARD & SAFETY

| | |
|---|---|
| Safety | : IEC 62040-1 |
| EMC | : IEC 62040-2 |

## MECHANICAL FEATURES

Unit

| | |
|---|---|
| Dimensions: W x D x H (mm) | : 500 x 850 x 1160 mm |
| Weight (kg) | : 270 kg |

Packaging

| | |
|---|---|
| Dimensions: W x D x H (mm) | : 800 x 1100 x 1780 mm |
| Weight (kg) | : 295 kg |