INPUT

Nominal Voltage	: 220VAC / 380VAC Selectable: 230VAC / 400VAC 240VAC / 415VAC
Phase	: Three Phase with Neutral plus ground (4 wires + Ground)
Power Factor	: ≥ 0.99
Voltage Range	: 116 ~ 276VAC / 201 ~ 478VAC (- 50% + 20%), 100% Load: 190 ~ 276VAC / 330 ~ 478VAC (- 15%, + 20%), 50% Load: 116 ~ 276VAC / 201 ~ 478VAC (- 50%, + 20%)
Nominal Frequency	: 50/60Hz (Auto Sensing)
Frequency Range	: 42 ~ 72Hz
THDi	: < 5%
AC Input Full Load Current	: 31A
Protection	: Fuse & Breaker
Connection	: Terminal block

BYPASS

Nominal Bypass Voltage	: 220VAC / 380VAC Selectable: 230VAC / 400VAC 240VAC / 415VAC
Phase	: Three Phase with Neutral plus ground (4 wires + Ground)
Bypass Voltage Range	: 220VAC / 380VAC ± 15%, Default Can be configured: ± 10% ~ ± 20%
Frequency Range Protection	: 50/60Hz ± 4Hz, Can be configured: ± 1Hz ~ ± 4Hz
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	: 20kVA / 18kW
Power Factor	: 0.9
Nominal Voltage	: 220/380VAC, Configurable: 230/400VAC, 240/415VAC
Voltage Regulation	: ± 1%
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	: Battery mode: 50/60Hz ± 0.5Hz Line mode: Synchronized to 50/60Hz ± 4Hz
Unbalanced load	: 100%
Load Crest Ratio	: 3:1
Efficiency	: Up to 94% in double-conversion mode Up to 98% in ECO mode
Overload Capability	: 60 min for 102% ~ 110% load 10 min for 111% ~ 125% load 1 min for 126% ~ 150% load 150 ms for >151% load
AC Output Full Load Current	: 29A (With the output voltage configured 230/400VAC)
Connection	: Terminal block

BATTERY & CHARGER

Nominal DC Voltage	: Default 384Vdc (192 Cells), configurable from 336Vdc (168 Cells) to 432Vdc (216 Cells)
Charge Voltage	: ABM Fload Voltage 2.30V/Cell Battery Constant Float Voltage 2.28V/Cell Battery Opportunity Charge Voltage 2.1V/Cell
Battery Low Alarm Voltage	: 1.81V/Cell
Battery Low Shutdown Voltage	: 1.75V/Cell
Battery Absolute Low Shutdown	: 1.67V/Cell
Over Voltage Protection	: 2.45V/Cell

BATTERY & CHARGER

Charge Current	: Can be set: 0 ~ 5.3A
Protection	: Internal Fuses
Connection	: Terminal block

TRANSFER TIME

Line mode to Battery mode	: 0ms
Bypass to Inverter and vice versa	: 0ms
ECO mode to Line mode	: < 4ms

INTERFACE & CONTROL

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

ENVIRONMENTAL

Operating Temperature	: 0 ~ 40ºC
Storage Temperature	: -25ºC ~ 55ºC
Humidity	: 5% ~ 95%, Non-condensing
Altitude	: < 1000 m
IP Rating	: IP20

STANDARD & SAFETY

Audible Noise	: ≤ 63dB, at 1-meter distance in front of the UPS (Buzzer not included)
EMC	: IEC 61000-4 IEC 62040-2
EMI	: EN5550022/EN55024
Safety	: IEC 62040-1

MECHANICAL FEATURES

Unit

Dimensions: W x D x H (mm)	: 420 x 715 x 900 mm
Weight (kg)	: 77 kg

Packaging

Dimensions: W x D x H (mm)	: 700 x 860 x 1070 mm
Weight (kg)	: 115 kg