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## INPUT

Nominal Voltage	: 220VAC / 380VAC Selectable: 230VAC / 400VAC 240VAC / 415VAC
Phase	: Three Phase with Neutral plus ground (4 wires + Ground)
Power Factor	: $\geq 0.99$
Voltage Range	: 116 ~ 276VAC / 201 ~ 478VAC, (-50% +20%) 100% Load: 190 ~ 276 VAC / 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	: 122A
Protection	: Breaker & Fuse
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 / 380VA $\pm 15\%$ , Default Can be configured: $\pm 10\% \sim \pm 20\%$
Frequency Range	: 50/60Hz $\pm 4\text{Hz}$ , Can be configured: $\pm 1\text{Hz} \sim \pm 4\text{Hz}$
Protection	: Breaker & Fuse; Backfeed Protection
Maintenance Bypass Switch	: Available
Connection	: Terminal block


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## **OUTPUT**

Power Capacity	: 80kVA / 72kW
Power Factor	: 0.9
Nominal Voltage	: 220/380VAC, Configurable: 230/400VAC, 240/415VAC
Voltage Regulation	: $\pm 1\%$
Phase	: Three Phase with Neutral plus ground (4 wires + Ground)
Waveform	: True Sine wave
Voltage Distortion	: < 2% for Linear load
Frequency	: Battery mode: 50/60Hz $\pm 0.05$ Hz Line mode: Synchronized to 50/60Hz $\pm 4$ Hz
Unbalanced load	: 100%
Load Crest Ratio	: 3:1
Efficiency	: Up to 94% in double-conversion mode 98% in ECO mode
Overload Capability	: - Continuous run for < 105% load; - 10 minutes for 105% ~ 125% load, transfer to bypass mode; - 1 minute for 126% ~ 150% load, transfer to bypass mode then turn off output after 1 minute; - 150 ms for >151% load transfer to bypass mode then turn off output after 30s
AC Output Full Load Current	: 116A (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 Flood Voltage 2.30V/cell Battery Constant Float Voltage 2.28V/cell Battery Opportunity Charge Voltage 2.21V/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

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### **BATTERY & CHARGER**


Charge Current : Can be set: 0~16A  
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  
ECO to Battery mode : < 4ms

### **INTERFACE & CONTROL**

Indicators : LED & LCD display  
Event Log : 512 Items  
DC Power Start : Yes  
Soft Start Function : Yes  
Communications Port : - RS232,  
- Intelligent Slot (2): NMC Card, Relay Card ...  
- Building Alarm Ports  
EPO : Available  
Parallel : Available up to 4 units  
Cooling : Force air cooling

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### **ENVIRONMENTAL**

Operating Temperature	: 0 ~ 40°C
Storage Temperature	: -25°C ~ 55°C
Humidity	: 5% ~ 95%, Non-condensin
Altitude	: < 1000 m
IP Rating	: IP51 protection for the front side of the UPS

### **STANDARD & SAFETY**

EMC	: IEC 61000-4 IEC 62040-2
EMI	: EN5550022/EN55024
Safety	: IEC 62040-1

### **MECHANICAL FEATURES**

Dimensions: W x D x H (mm)	: 600 x 720 x 1200 mm
Weight (Kg)	: 184 Kg

Specifications are subject to change without notice.