
	<b>PRODUCT SPECIFICATIONS</b>	REF. No. : 614-02189-01
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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 ~ 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	: 154A
Protection	: Internal Fuses
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% ~ $\pm$ 20%
Frequency Range	: 50/60Hz $\pm$ 4Hz, Can be configured: $\pm$ 1Hz ~ $\pm$ 4Hz
Protection	: Internal Fuses
Maintenance Bypass Switch	: Optional
Connection	: Terminal block


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## **OUTPUT**

Power Capacity	: 100kVA / 90kW
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	: Sine wave
Voltage Distortion	: < 2% for Linear load; < 5% for Non-linear load
Frequency	: Battery mode: 50/60Hz $\pm 0.5$ 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 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	: 144A (With the output voltage configured 230/400VAC)
Connection	: Terminal block

## **BATTERY & CHARGER**

Nominal DC Voltage	: Default 480Vdc (240 Cells), configurable from 432Vdc (216 Cells) to 480Vdc (240 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 ~ 40A  
Protection : Internal Fuses  
Connection : Terminal block

### **TRANSFER TIME**

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

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### **ENVIRONMENTAL**

Operating Temperature	: 0 ~ 40°C
Storage Temperature	: -25°C ~ 55°C
Humidity	: 0% ~ 95%, Non-condensin
Altitude	: < 1000 m
IP Rating	: IP20

### **STANDARD & SAFETY**

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

### **MECHANICAL FEATURES**

Unit	
Dimensions: W x D x H (mm)	: 600 x 800 x 1876 mm
Weight (Kg)	: 283 Kg
Packaging	
Dimensions: W x D x H (mm)	: 800 x 1020 x 2040 mm
Weight (Kg)	: 351 Kg

Specifications are subject to change without notice.