
	PRODUCT SPECIFICATIONS	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	: ≥ 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%
Nominal RMS Current	: 29A
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 / 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
Maintenance Bypass Switch	: Available
Connection	: Terminal block


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OUTPUT

Power Capacity	: 20kVA / 18kW
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
Frequency	: Battery mode: 50/60Hz ± 0.05 Hz Line mode: Synchronized to 50/60Hz ± 4 Hz
Unbalanced load	: 100%
Load Crest Ratio	: 3:1
Efficiency	: Up to 94% in double-conversion mode 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
Nominal Output Current	: 30A
Connection	: Terminal block

BATTERY & CHARGER

Nominal DC Voltage	: Default 384Vdc (192 Cells), configurable from 336Vdc (168 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: 0~5.3A
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
ECO to Battery 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	: 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

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

Specifications are subject to change without notice.