

PREMIUM 31 +

10/15/20kVA (3/1)

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On-line „Double conversion“ technology (VFI)

Galvanic isolation transformer

Intelligent management via RS232

Battery charger 1-12Amp

Inductive load acceptable

Audible and visible alarm

Microprocessor technology

LED / LCD Display

IGBT technology

Battery Cold Start

Optional battery runtime

Static and manual bypass

Optional remote LCD panel

Optional SNMP, Relay, EPO or AS400 card

1 year warranty (electronics)



LCD-Display
(Voltage, Frequency, Temperature,...)

LED indication
(Mains, battery, inverter,
bypass, overload, fault)

Technical data ▶▶

Model	
Input	
Minimum voltage	285VAC
Maximum voltage	500VAC
Frequency	50/60Hz (45 - 65Hz)
Input Power Factor	> 0.95 (linear load)
Harmonic distortion (THD)	< 25% at 100% linear load
Output	
Voltage	220/230VAC
Waveform	Pure sine wave
Harmonic distortion (THD)	< 3 %
Frequency	50/60Hz (± 1%)
Power	8kW 12kW 16kW
Output voltage range	± 1 %
Crest factor	3:1
Efficiency	up to 90%
Battery	
Type	AGM
Voltage	192VDC 192VDC 192VDC
Backup time	10min
Additional batteries for long backup time	Option
Protection	
Input / Output	Overload, Overheating, Short Circuit, Battery Low, Noise and Spike Suppression
Overload protection at load 100 - 125%	10min
Overload protection at load 125 - 150%	1min
Alarms - Information	
Audible alarm	Beeping Sound for Line Failure, Battery Low, Bypass - Overload Status, Fault Status
LED-Alarm	Line - Backup - Eco Mode, Bypass, Battery Low/Bad/Disconnect, Overload, Fault
LCD-Display	Voltage/Frequency, Load %, Battery Voltage/Runtime, Inner Temperature
Bypass	
Type	Internal static (automatic) and manual bypass / External bypass optional
Standards	
EMV	EN 500091-1, EN 50091-2
Protection class	IP20
Environment	
Temperature	0-40°C
Humidity	0-95%
Noise	< 55dB
Interface	
RS232	Yes
Relay card	Option
AS400 / SNMP / EPO	Option
Dimensions	
Weight (without batteries)	175kg 220kg 260kg
HxWxD (without batteries)	1030x350x810mm 1150x400x860mm 1150x400x860mm

	10kVA	15kVA	20kVA
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