



RS AUTOMATION

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KEOR HP

UPS

from 100 to 800 kVA



GLOBAL SPECIALIST IN ELECTRICAL AND DIGITAL BUILDING INFRASTRUCTURES



KEOR HP 100-125-160-200-250-300

Conventional UPS - Three-phase On-line double conversion VFI

Characteristics

| General characteristics | 100 | 125 | 160 | 200 | 250 | 300 |
|--|--|-------|-----|---|------|------|
| Nominal power (kVA) | 100 | 125 | 160 | 200 | 250 | 300 |
| Active power (kW) | 90 | 112,5 | 144 | 180 | 225 | 270 |
| Technology | On-line double conversion VFI-SS-111 | | | | | |
| Waveform | Sinusoidal | | | | | |
| Architecture | Conventional UPS, parallelable up to 6 unit | | | | | |
| Input characteristics | | | | | | |
| Input voltage | 380-415 V 3Ph+N | | | | | |
| Input frequency | 50-60 Hz \pm 10% autosensing | | | | | |
| Input voltage range | 400 V -20% / + 15% | | | | | |
| THD of input current | < 3% | | | | | |
| Compatibility with diesel generators | Configurable for synchronism between the input and output frequencies, even for the highest frequency variations | | | | | |
| Input power factor | > 0,99 | | | | | |
| Output characteristics | | | | | | |
| Output voltage | 380, 400, 415 V 3Ph+N selected | | | | | |
| Efficiency | up to 95% | | | | | |
| Output frequency (nominal) | 50 /60 Hz selected \pm 0,001% | | | | | |
| Crest factor | 3:1 | | | | | |
| THD of output voltage | <5% (with non-linear load) | | | | | |
| Output voltage tolerance | \pm 1% (with balance load) | | | | | |
| Overload capacity | 10 minutes at 125%, 60 seconds at 150%, 10 seconds at 200% | | | | | |
| Efficiency in Eco mode | 98% | | | | | |
| Bypass | Built-in Automatic and Maintenance By-pass | | | | | |
| Batteries | | | | | | |
| Backup time extension | Scalable with additional battery cabinets | | | | | |
| Battery type | VRLA - AGM Maintenance-free Lead Acid Batteries | | | | | |
| Battery test | Automatic or manual | | | | | |
| Battery Recharge Profile | IU (DIN41773) | | | | | |
| Communication and management | | | | | | |
| LCD Display | Four LED's to show status at a glance. Four menu-driven interface buttons. Four status at a glance LEDs | | | | | |
| Communication Ports | RS232 and USB serial ports (Optional RS485) | | | | | |
| Audible Alarm | Acoustic alarms and warnings, configurable delays | | | | | |
| Configuration Setting | Auto configuration by firmware, or manual by service engineer | | | | | |
| Net Interface Slot | Built-in dry contact PCB, optional SNMP card | | | | | |
| Emergency Power Off (EPO) | Yes | | | | | |
| Remote Management | Available | | | | | |
| Battery temperature probe | Yes | | | | | |
| Physical characteristics | | | | | | |
| Dimensions H x W x D (mm) | 1670 x 815 x 825 | | | 1905 x 1220 x 870 | | |
| Net Weight (kg) | 625 | 660 | 715 | 970 | 1090 | 1170 |
| Dimensions battery cabinet H x W x D (mm) | 1900 x 1400 x 830 (50 batteries) 1900 x 2800 x 830 (100 batteries) | | | 1900 x 1400 x 860 (50 batteries) 1900 x 2800 x 860 (100 batteries) | | |
| Ambient conditions | | | | | | |
| Operating temperature (°C) | 0÷40 | | | 0÷40 | | |
| Relative humidity (%) | < 95% not condensing | | | < 95% not condensing | | |
| Protection index | IP20 | | | IP20 | | |
| Noise at 1 m (dBA) | < 60 | | | < 62 | | |
| Certifications | | | | | | |
| Reference product standards | EN 62040-1, EN 62040-2, EN 62040-3 | | | | | |

KEOR HP 400-500-600-800

Conventional UPS - Three-phase On-line double conversion VFI

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| General characteristics | 400 | 500 | 600 | 800 |
|---|--|-------------------|-------------------|-------------------|
| Nominal power (kVA) | 400 | 500 | 600 | 800 |
| Active power (kW) | 360 | 450 | 540 | 720 |
| Technology | On-line double conversion VFI-SS-111 | | | |
| Waveform | Sinusoidal | | | |
| Architecture | Conventional UPS, parallelable up to 6 unit | | | |
| Input characteristics | | | | |
| Input voltage | 380-415 V 3Ph+N | | | |
| Input frequency | 50-60 Hz \pm 10% autosensing | | | |
| Input voltage range | 400 V -20% / + 15% | | | |
| THD of input current | <3% | | | |
| Compatibility with diesel generators | Configurable for synchronism between the input and output frequencies, even for the highest frequency variations | | | |
| Input power factor | >0,99 | | | |
| Output characteristics | | | | |
| Output voltage | 380, 400, 415 V 3Ph+N selected | | | |
| Efficiency | up to 95% | | | |
| Output frequency (nominal) | 50 /60 Hz selected \pm 0,001% | | | |
| Crest factor | 3:1 | | | |
| THD of output voltage | <5% (with non-linear load) | | | |
| Output voltage tolerance | \pm 1% (with balance load) | | | |
| Overload capacity | 10 minutes at 125%, 60 seconds at 150%, 10 seconds at 200% | | | |
| Efficiency in Eco mode | >98% | | | |
| Bypass | Built-in Automatic (optional Maintenance Bypass) | | | |
| Batteries | | | | |
| Backup time extension | Scalable with additional battery cabinets | | | |
| Battery type | VRLA - AGM Maintenance-free Lead Acid Batteries | | | |
| Battery test | Automatic or manual | | | |
| Battery Recharge Profile | IU (DIN41773) | | | |
| Communication and management | | | | |
| LCD Display | Four LED's to show status at a glance. Four menu-driven interface buttons. Four status at a glance LEDs | | | |
| Communication Ports | RS232 and USB serial ports (Optional RS485) | | | |
| Audible Alarm | Acoustic alarms and warnings, configurable delays | | | |
| Configuration Setting | Auto configuration by firmware, or manual by service engineer | | | |
| Net Interface Slot | Built-in dry contact PCB, optional SNMP card | | | |
| Emergency Power Off (EPO) | Yes | | | |
| Remote Management | Available | | | |
| Battery temperature probe | Yes | | | |
| Physical characteristics | | | | |
| Dimensions H x W x D (mm) | 1920 x 1990 x 965 | 2020 x 2440 x 950 | 2020 x 2440 x 950 | 1920 x 3640 x 950 |
| Net Weight (kg) | 1820 | 2220 | 2400 | 3600 |
| Dimensions battery cabinet H x W x D (mm) | 1900 x 2800 x 860 (100 batteries) | | | - |
| Ambient conditions | | | | |
| Operating temperature (°C) | 0÷40 | | | |
| Relative humidity (%) | <95% not condensing | | | |
| Protection index | IP20 | | | |
| Noise at 1 m (dBA) | <62 | | | |
| Certifications | | | | |
| Reference product standards | EN 62040-1, EN 62040-2, EN 62040-3 | | | |

