

Daker DK Plus

CONVERTIBLE
RACK-TOWER UPS
from 1 to 10 kVA



GLOBAL SPECIALIST IN ELECTRICAL
AND DIGITAL BUILDING INFRASTRUCTURES



Daker DK Plus

On-Line double conversion UPS that can be used in both tower and rack configurations.

CONVERTIBLE SINGLE PHASE UPS

The main parameters of the system and the status of the UPS, including the battery charge level and faults, are displayed on the LCD screen.

The models from 5 to 10 kVA have power factor 1 with an efficiency up to 94%.



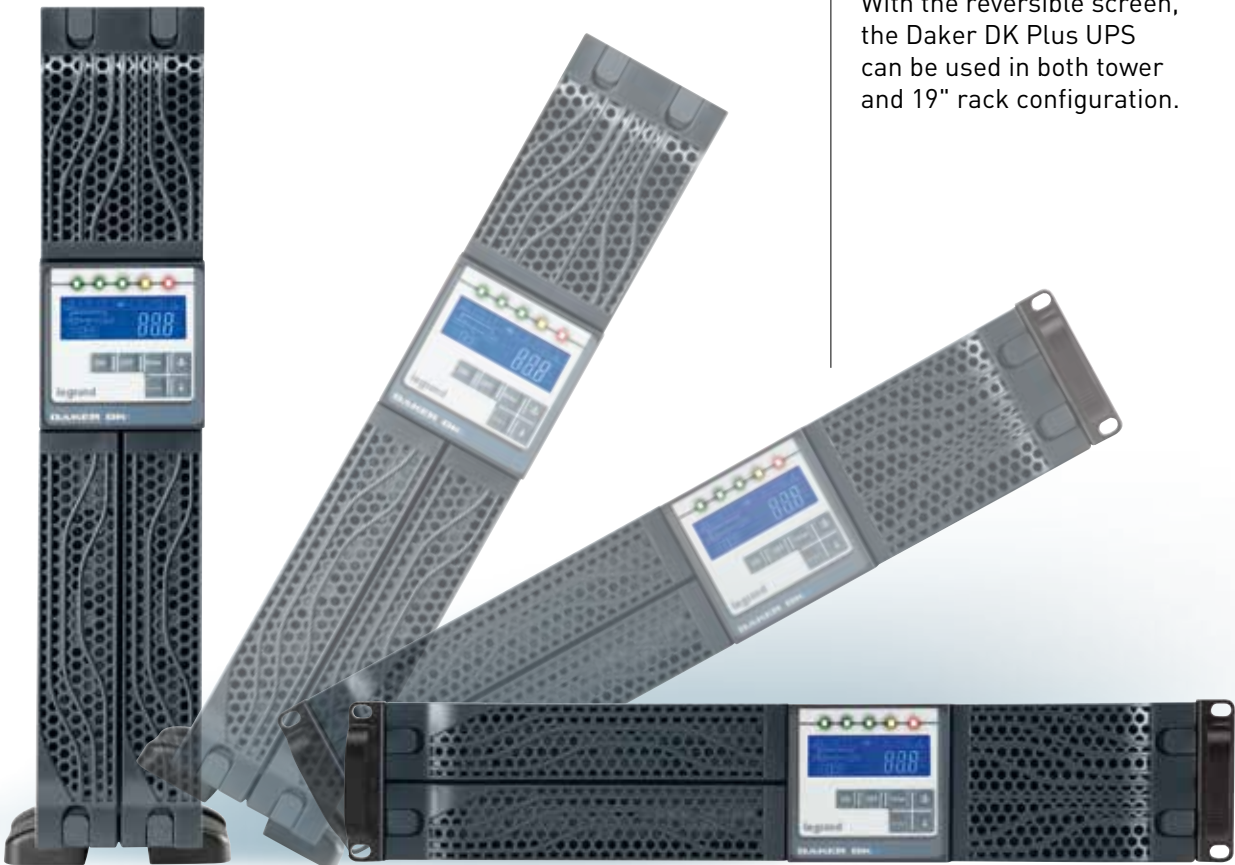


Battery cabinets

Additional battery cabinets are available to increase the backup time of the UPS. A charger can be added in all battery cabinets for fast, safe charging.

Reversible screen

With the reversible screen, the Daker DK Plus UPS can be used in both tower and 19" rack configuration.



DAKER DK PLUS

UPS - On-line double conversion VFI



3 101 74



3 101 77



3 106 64

The main parameters of the UPS, including the battery charge level and faults, are displayed on the LCD screen on the front panel. The integrated communication software not only controls the UPS and its switch-off if there is a malfunction, and enables the user to test the main functions remotely, communicate via SNMP/Internet/network adaptor and access the functions of the UPS via the Internet, but can also send the user an SMS if specific events occur.

The internal extension connector enables a WEB/SNMP card or a relay interface to be installed which provides insulated contacts for applications on industrial control panels or remote alarm panels.

If there is an electronic fault, overload, overheating or for scheduled maintenance operations, the automatic or manual (optional) bypass ensures continuity of the power supply for critical loads. A bypass switch is available for maintenance.

| Cat. Nos. | Convertible UPS with batteries | | | |
|-----------|---------------------------------------|------------------|-------------------|-------------|
| | Nominal power (VA) | Active power (W) | Backup time (min) | Weight (kg) |
| 3 101 70 | 1000 | 900 | 9 | 16 |
| 3 101 71 | 2000 | 1800 | 10 | 29,5 |
| 3 101 72 | 3000 | 2700 | 7 | 30 |
| 3 101 73 | 5000 | 5000 | 6 | 60 |
| 3 101 74 | 6000 | 6000 | 5 | 60 |

| Cat. Nos. | Battery cabinet (empty) | |
|-----------|---|--|
| | Description | |
| 3 106 65 | Battery cabinet for 3 101 70 | |
| 3 106 66 | Battery cabinet for 3 101 71 | |
| 3 106 67 | Battery cabinet for 3 101 72 | |
| 3 106 68 | Battery cabinet for 3 101 73 - 3 101 74 - 3 101 75 - 3 101 76 | |
| 3 106 69 | Battery cabinet for 3 101 77 - 3 101 78 | |

| Cat. Nos. | Convertible UPS without batteries | | | |
|-----------|--|------------------|---------------------|-------------|
| | Nominal power (VA) | Active power (W) | Phase configuration | Weight (kg) |
| 3 101 75 | 5000 | 5000 | 1/1 | 25 |
| 3 101 76 | 6000 | 6000 | 1/1 | 25 |
| 3 101 77 | 10000 | 10000 | 1/1 | 26 |
| 3 101 78 | 10000 | 9000 | 3/1 | 28 |

| Cat. Nos. | Accessories | |
|-----------|--|--|
| | Description | |
| 3 109 52 | Rack support bracket kit | |
| 3 109 53 | External manual Bypass for 3 101 70 - 3 101 71 - 3 101 72 | |
| 3 109 63 | External manual Bypass for 3 101 73 - 3 101 74 - 3 101 75 - 3 101 76 - 3 101 77 | |
| 3 109 59 | Additional charger for 3 101 70 | |
| 3 109 61 | Additional charger for 3 101 71 - 3 101 72 | |
| 3 109 54 | Additional charger for 3 101 73 - 3 101 74 - 3 101 75 - 3 101 76 - 3 101 77 - 3 101 78 | |
| 3 109 69 | Dry contact card | |

| Cat. Nos. | Battery cabinet (with batteries) | |
|-----------|---|--|
| | Description | |
| 3 106 60 | Battery cabinet for 3 101 70 | |
| 3 106 61 | Battery cabinet for 3 101 71 | |
| 3 106 62 | Battery cabinet for 3 101 72 | |
| 3 106 63 | Battery cabinet for 3 101 73 - 3 101 74 - 3 101 75 - 3 101 76 | |
| 3 106 64 | Battery cabinet for 3 101 77 - 3 101 78 | |

NOTE: The stated back-up times in minutes are estimated and may vary according to the load characteristics, operating conditions and environment.

DAKER DK PLUS

UPS - On-line double conversion VFI

Characteristics

| General characteristics | 3 101 70 | 3 101 71 | 3 101 72 | 3 101 73 | 3 101 75 | 3 101 74 | 3 101 76 | 3 101 77 | 3 101 78 |
|--|---|---------------------|-----------|------------------|---------------------|------------------|---------------------|----------------------|--------------------|
| Nominal power (VA) | 1000 | 2000 | 3000 | 5000 | | 6000 | | 10000 | 10000 |
| Active power (W) | 900 | 1800 | 2700 | 5000 | | 6000 | | 10000 | 9000 |
| Technology | On-line double conversion VFI-SS-111 | | | | | | | | |
| Waveform | Sinusoidal | | | | | | | | |
| Architecture | Convertible tower and 19" rack | | | | | | | | |
| Input characteristics | | | | | | | | | |
| Input voltage | 230 V | | | | | | | | 380V 3P+N |
| Input frequency | 50-60 Hz \pm 5% autosensing | | | | | | | | |
| Input voltage range | 176V - 280V at full load | | | | | | | | 305V - 485V |
| THD of input current | < 3% | | | | | | | | |
| Input power factor | > 0,99 | | | | | | | | > 0,9 |
| Output characteristics | | | | | | | | | |
| Output voltage | 230 V \pm 1% | | | | | | | | |
| Output frequency (nominal) | 50/60 Hz (configurable via LCD panel) \pm 0.1% | | | | | | | | |
| Efficiency | up to 90% | up to 91% | up to 92% | up to 94% | | | | up to 90% | |
| Peak factor | 1:3 | | | | | | | | |
| THD of output voltage | < 3% with linear load | | | | | | | | |
| Output voltage tolerance | \pm 1% | | | | | | | | |
| Internal automatic bypass | included | | | | | | | | |
| External maintenance bypass | optional | optional | optional | optional | optional | optional | optional | optional | - |
| Batteries | | | | | | | | | |
| Backup time extension | Yes | | | | | | | | |
| Backup time (min) | 9 | 10 | 7 | 6 | - | 5 | - | - | - |
| Communication and management | | | | | | | | | |
| Screen and signalling | Four buttons and five LEDs for real-time control of the status and the main parameters of the UPS | | | | | | | | |
| Communication ports | RS232 and USB serial ports | | | | | | | | RS232 serial ports |
| Remote control | Available | | | | | | | | |
| Connector for network interface | SNMP | | | | | | | | |
| Back feed protection | yes | | | | | | | | |
| Emergency power off (EPO) | yes | | | | | | | | |
| Mechanical characteristics | | | | | | | | | |
| Dimensions (H x W x D) (mm) | 440 x 88 (2U) x 405 | 440 x 88 (2U) x 600 | | 440x196 (4U)x680 | 440x88 (2U)x680 | 440x196 (4U)x680 | 440x88 (2U)x680 | 440x132 (3U) x680 | |
| Net weight (kg) | 16 | 29,5 | 30 | 60 | 25* | 60 | 25 | 26 | 28 |
| Dimensions of battery cabinet H x W x D (mm) | 440x196 (4U)x425 | 440 x 88 (2U) x 600 | | - | 440 x 88 (2U) x 680 | - | 440 x 88 (2U) x 680 | 440 x 132 (3U) x 680 | |
| Ambient conditions | | | | | | | | | |
| Operating temperature (°C) | 0 ÷ 40°C | | | | | | | | |
| Protection index | IP 21 | | | | | | | | |
| Relative humidity (%) | 20 to 80% | | | | | | | | |
| Noise at 1 m (dBA) | < 50 | | | | | | | | |
| Heat dissipation (BTU/h) | 490 | 654 | 818 | 892 | | 1300 | | 1636 | |
| Certifications | | | | | | | | | |
| Reference product standards | EN 62040-1, EN 62040-2, EN 62040-3 | | | | | | | | |

NOTE: The stated back-up times in minutes are estimated and may vary according to the load characteristics, operating conditions and environment.

DAKER DK PLUS

UPS - On-line double conversion VFI, 120V



3 101 40

Cat. Nos. Convertible 120V UPS with batteries (UL)

| Cat. Nos. | Nominal power (VA) | Active power (W) | Backup time (min) | Weight (kg) |
|-----------|--------------------|------------------|-------------------|-------------|
| 3 101 40 | 1000 | 900 | up to 15 | 11 |
| 3 101 41 | 1500 | 1350 | up to 15 | 14,5 |
| 3 101 42 | 2000 | 1800 | up to 15 | 20 |
| 3 101 43 | 3000 | 2700 | up to 15 | 27 |

Battery cabinet with batteries (UL)

Description

| | |
|----------|-----------------------------------|
| 3 101 44 | Battery cabinet for 3 101 40 (UL) |
| 3 101 45 | Battery cabinet for 3 101 41 (UL) |
| 3 101 46 | Battery cabinet for 3 101 42 (UL) |
| 3 101 47 | Battery cabinet for 3 101 43 (UL) |

Accessories

Description

| | |
|----------|--------------------------|
| 3 109 52 | Rack support bracket kit |
| 3 109 69 | Dry contact card |

Characteristics

| General characteristics | 3 101 40 | 3 101 41 | 3 101 42 | 3 101 43 |
|--|--|---------------------|-------------------------------|----------|
| Nominal power (VA) | 1000 | 1500 | 2000 | 3000 |
| Active power (W) | 900 | 1350 | 1800 | 2700 |
| Technology | On-line double conversion VFI-SS-111 | | | |
| Waveform | Sinusoidal | | | |
| Architecture | Convertible tower and 19" rack | | | |
| Input characteristics | | | | |
| Input voltage | 120 V | | | |
| Input frequency | 50-60 Hz \pm 5% autosensing | | | |
| Input voltage range | 90V - 150V at full load | | | |
| THD of input current | < 3% | | | |
| Input power factor | > 0,99 | | | |
| Input connection | NEMA 5-15P | NEMA 5-20P | NEMA L5-30P | |
| Output characteristics | | | | |
| Output voltage | 120 V \pm 1%, adjustable to 100/110/115/120 | | | |
| Output frequency (nominal) | 50/60 Hz (configurable via LCD panel) +/- 0.1% | | | |
| Efficiency | up to 92% | | | |
| Peak factor | 3:1 | | | |
| THD of output voltage | < 3% with linear load | | | |
| Output voltage tolerance | \pm 1% | | | |
| Output Connection | 6*NEMA 5-15R | 6*NEMA 5-20P | 6*NEMA 5-20P 1*NEMA L5-30P | |
| Internal automatic bypass | included | | | |
| Batteries | | | | |
| Backup time extension | Yes | | | |
| Battery nominal voltage (Vdc) | 24 | 36 | 48 | 72 |
| Communication and management | | | | |
| Screen and signalling | Four buttons and five LEDs for real-time control | | | |
| Communication ports | RS232 and USB serial ports | | | |
| Remote control | Available | | | |
| Connector for network interface | SNMP | | | |
| Back feed protection | yes | | | |
| Emergency power off (EPO) | yes | | | |
| Mechanical characteristics | | | | |
| Dimensions (H x W x D) (mm) | 440 x 88 (2U) x 405 | 440 x 88 (2U) x 485 | 440 x 88 (2U) x 600 | |
| Net weight (kg) | 11 | 14.5 | 20 | 27 |
| Dimensions of battery cabinet H x W x D (mm) | 40 x 88 (2U) x 600 | | | |
| Ambient conditions | | | | |
| Operating temperature (°C) | 0 ÷ 40°C | | | |
| Protection index | IP 20 | | | |
| Relative humidity (%) | 0-90% (without condensation) | | | |
| Noise at 1 m (dBA) | < 50 | | | |
| Certifications | | | | |
| Reference product standards | UL1778 V4 (cTUVus), FCC Part 15 Class A | | | |

New product codes in red.

NOTE: The stated back-up times in minutes are estimated and may vary according to the load characteristics, operating conditions and environment.

DAKER DK PLUS

Long backup time table

| Model | Power | Backup time | Dimensions and number of cabinets H x W x D (mm) | Cat. Nos. |
|------------------------|----------|--|---|--------------------------|
| Daker DK Plus | 1000 VA | 9' | 440 x 88 x 405 | 3 101 70 |
| | | 1h 27' | 440 x 88 x 405 + 440 x 196 x 425 | 3 101 70 + 3 106 60 |
| | | 3h | 440 x 88 x 405 + 440 x 196 x 425 (x2) | 3 101 70 + 3 106 60 (x2) |
| | 2000 VA | 10' | 440 x 88 x 600 | 3 101 71 |
| | | 45' | 440 x 88 x 600 (x2) | 3 101 71 + 3 106 61 |
| | | 1h 28' | 440 x 88 x 600 (x3) | 3 101 71 + 3 106 61 (x2) |
| | 3000 VA | 7' | 440 x 88 x 600 | 3 101 72 |
| | | 31' | 440 x 88 x 600 (x2) | 3 101 72 + 3 106 62 |
| | | 58' | 440 x 88 x 600 (x3) | 3 101 72 + 3 106 62 (x2) |
| | | 1h 29' | 440 x 88 x 600 (x4) | 3 101 72 + 3 106 62 (x3) |
| | 5000 VA | 6' | 440 x 88 x 680 + 440 x 88 x 680 | 3 101 75 + 3 106 63 |
| | | 19' | 440 x 88 x 680 + 440 x 88 x 680 (x2) | 3 101 75 + 3 106 63 (x2) |
| | | 32' | 440 x 88 x 680 + 440 x 88 x 680 (x3) | 3 101 75 + 3 106 63 (x3) |
| | | 50' | 440 x 88 x 680 + 440 x 88 x 680 (x4) | 3 101 75 + 3 106 63 (x4) |
| | 6000 VA | 5' | 440 x 88 x 680 + 440 x 88 x 680 | 3 101 76 + 3 106 63 |
| | | 15' | 440 x 88 x 680 + 440 x 88 x 680 (x2) | 3 101 76 + 3 106 63 (x2) |
| | | 30' | 440 x 88 x 680 + 440 x 88 x 680 (x3) | 3 101 76 + 3 106 63 (x3) |
| | | 45' | 440 x 88 x 680 + 440 x 88 x 680 (x4) | 3 101 76 + 3 106 63 (x4) |
| | 10000 VA | 6' | 440 x 132 x 680 + 440 x 132 x 680 | 3 101 77 + 3 106 64 |
| | | 17' | 440 x 132 x 680 + 440 x 132 x 680 (x2) | 3 101 77 + 3 106 64 (x2) |
| 28' | | 440 x 132 x 680 + 440 x 132 x 680 (x3) | 3 101 77 + 3 106 64 (x3) | |
| 41' | | 440 x 132 x 680 + 440 x 132 x 680 (x4) | 3 101 77 + 3 106 64 (x4) | |
| 54' | | 440 x 132 x 680 + 440 x 132 x 680 (x5) | 3 101 77 + 3 106 64 (x5) | |
| Daker DK Plus 3 - 1 | 10000 VA | 7' | 440 x 132 x 680 + 440 x 132 x 680 | 3 101 78 + 3 106 64 |
| | | 19' | 440 x 132 x 680 + 440 x 132 x 680 (x2) | 3 101 78 + 3 106 64 (x2) |
| | | 31' | 440 x 132 x 680 + 440 x 132 x 680 (x3) | 3 101 78 + 3 106 64 (x3) |
| | | 45' | 440 x 132 x 680 + 440 x 132 x 680 (x4) | 3 101 78 + 3 106 64 (x4) |
| | | 59' | 440 x 132 x 680 + 440 x 132 x 680 (x5) | 3 101 78 + 3 106 64 (x5) |

NOTE: The stated back-up times in minutes are estimated and may vary according to the load characteristics, operating conditions and environment.

Configurations

| | 1000 VA 2 cabinet L 2U + 4U | 2000 VA 2 cabinet L 2U + 2U | 3000 VA 3 cabinet L 2U + 2U + 2U | 6000 VA 2 cabinet L 2U + 2U | 10000 VA 2 cabinet L 3U + 3U |
|---------------|--|--|---|---|---|
| TOWER version | | | | | |
| RACK version | 1000 VA 2 cabinet H 2U + 4U (294mm) | 2000 VA 2 cabinet H 2U + 2U (196mm) | 3000 VA 3 cabinet H 2U + 2U + 2U (294mm) | 6000 VA 2 cabinet H 2U + 2U (196 mm) | 10000 VA 2 cabinet H 3U + 3U (294mm) |
| | | | | | |



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dimensions and weights in this
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be held binding on the Company.

KEOR LP

SINGLE-PHASE
UPS
from 1000 to 3000 VA



GLOBAL SPECIALIST IN ELECTRICAL
AND DIGITAL BUILDING INFRASTRUCTURES

 **legrand**[®]

KEOR LP SINGLE PHASE UPS

On-Line double
conversion UPS for low
and medium power
applications

The distributed power, from 1000 VA to 3000 VA, provides high level electrical protection for medium power devices.

The UPS comprise a single card with incorporates power, control logic, control and diagnostics.

All models have a backup time that can be extended by adding battery cabinets.

All versions have a slot for connecting SNMP communication interfaces.



KEOR LP

UPS - Single phase On-line double conversion VFI



3 101 54 3 101 56 3 101 58

| Pack | Cat. Nos. | UPS WITH IEC SOCKETS | | | | | WEIGHT (kg) |
|------|-----------------|----------------------|------------------|-------------------|------------------------|----------------------|-------------|
| | | NOMINAL POWER (VA) | ACTIVE POWER (W) | BACKUP TIME (min) | NO. OF SOCKETS IEC 10A | NO. OF FRENCH SOCKET | |
| | 3 101 54 | 1000 | 900 | 5 | 3 | - | 10 |
| | 3 101 56 | 2000 | 1800 | 5 | 6 | - | 17 |
| | 3 101 58 | 3000 | 2700 | 5 | 6 | - | 23 |

| | Cat. Nos. | UPS WITH FRENCH STANDARD SOCKETS | | | | | WEIGHT (kg) |
|--|-----------------|----------------------------------|------------------|-------------------|------------------------|----------------------|-------------|
| | | NOMINAL POWER (VA) | ACTIVE POWER (W) | BACKUP TIME (min) | NO. OF SOCKETS IEC 10A | NO. OF FRENCH SOCKET | |
| | 3 101 55 | 1000 | 900 | 5 | 3 | 1 | 10 |
| | 3 101 57 | 2000 | 1800 | 5 | 6 | 2 | 17 |
| | 3 101 59 | 3000 | 2700 | 5 | 6 | 2 | 23 |

MISCELLANEOUS ACCESSORIES

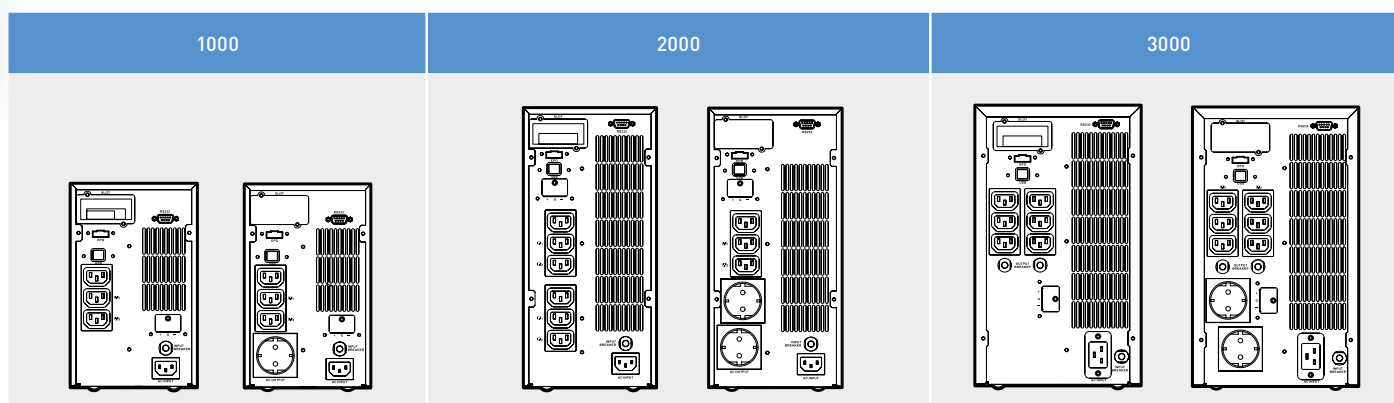
DESCRIPTION

- 3 105 98*** Additional battery cabinet for 3 101 54 - 3 101 55
- 3 105 99*** Additional battery cabinet for 3 101 56 - 3 101 57
- 3 106 00*** Additional battery cabinet for 3 101 58 - 3 101 59
- 3 109 58** Additional battery charger for battery cabinet 3 105 98
- 3 109 60** Additional battery charger for battery cabinet 3 105 99
- 3 109 61** Additional battery charger for battery cabinet 3 106 00
- 3 109 53** Bypass

*Battery included

NOTE: The stated back-up times in minutes are estimated and may vary according to the load characteristics, operating conditions and environment.

| Cat. Nos. | 3 101 54 3 101 55 | 3 101 56 3 101 57 | 3 101 58 3 101 59 |
|--|---|----------------------|----------------------|
| General characteristics | | | |
| Nominal power (VA) | 1000 | 2000 | 3000 |
| Active power (W) | 900 | 1800 | 2700 |
| Technology | On-line double conversion VFI-SS-111 | | |
| Waveform | Sinusoidal | | |
| Architecture | UPS with extendable backup time | | |
| Input characteristics | | | |
| Input voltage | 230 V | | |
| Input frequency | 45-65 Hz $\pm 2\%$ Autosensing | | |
| Input voltage range | 210 V ± 240 Vac at 100% load | | |
| Input power factor | $> 0,99$ | | |
| Output characteristics | | | |
| Output voltage | 230 V $\pm 1\%$ | | |
| Efficiency | Up to 90 % | | |
| Output frequency (nominal) | 50/60 Hz synchronised | | |
| Peak factor | 3 : 1 | | |
| THD of output voltage | $< 3\%$ with linear load | | |
| Permitted overload: | | | |
| - ONLINE mode | $< 105\%$ | | |
| - 10 sec. | 121 \pm 150% | | |
| - 30 sec. | 106 \pm 120% | | |
| - instant transfer to bypass | $> 151\%$ | | |
| Bypass | Automatic, internal, synchronised, electromechanical (for overloads and operating problems) | | |
| Batteries | | | |
| Backup time extension | Si | | |
| Battery voltage | 24 Vdc | 48 Vdc | 72 Vdc |
| Backup time (min) | 5 | | |
| Communication and management | | | |
| Screen and signalling | Multi-coloured LED status indicator, alarms and audible signalling | | |
| Communication ports | 1 RS232 serial port, 1 slot for network interface connection (ex. CS121) | | |
| Emergency Power Off (EPO) | Yes | | |
| Remote control | Software can be downloaded free of charge | | |
| Mechanical characteristics | | | |
| Dimensions (H x W x D) (mm) | 236 x 144 x 367 | 322 x 151 x 444 | 322 x 189 x 444 |
| Dimensions of battery cabinet (H x W x D) (mm) | 322 x 151 x 444 | 322 x 151 x 444 | 322 x 151 x 444 |
| Battery cabinet Net weight (kg) | 31 | 31 | 31 |
| Ambient conditions | | | |
| Ambient operating temperature (°C) | 0 \div 40 | | |
| Relative humidity (%) | 20 \div 80 non condensing | | |
| Noise at 1 m (dBA) | < 50 | | |
| Certifications | | | |
| Reference product standards | EN 62040-1, EN 62040-2 | | |





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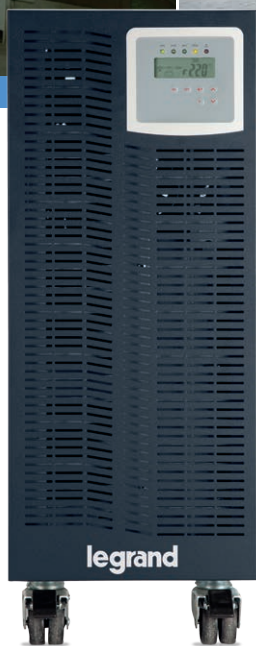
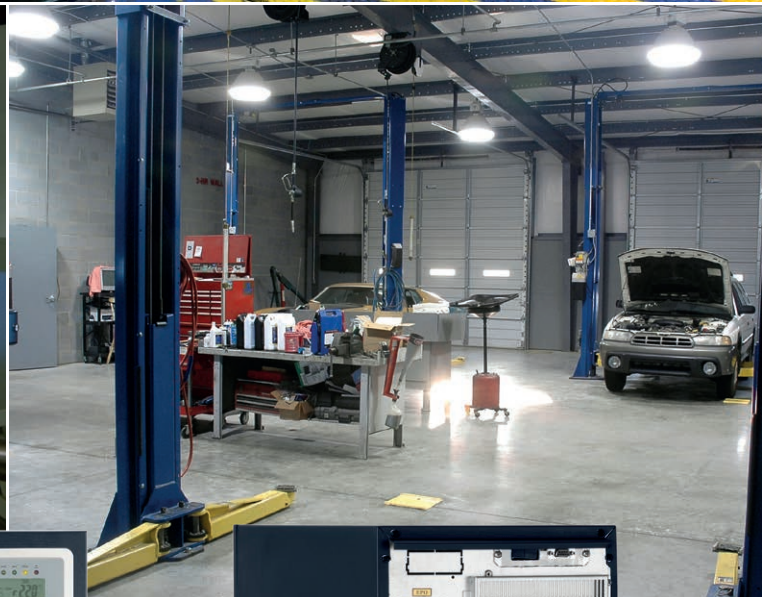
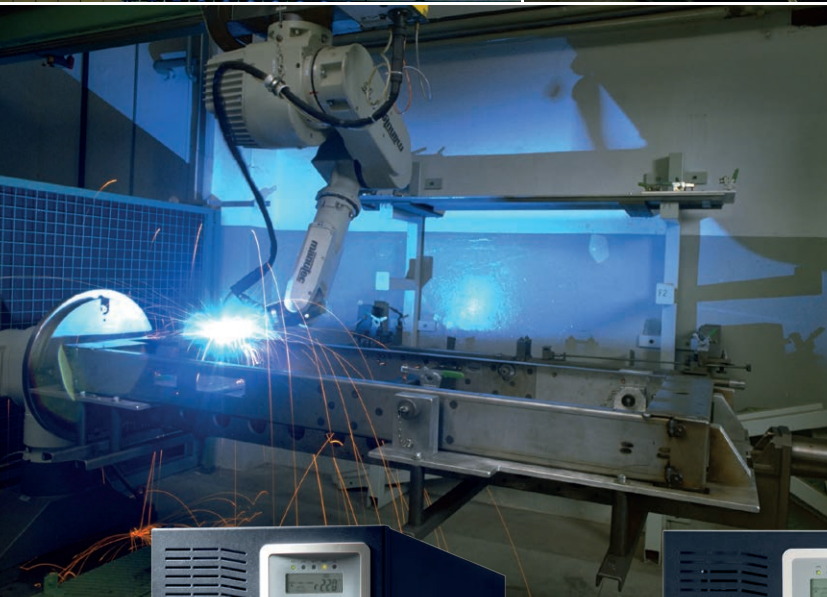
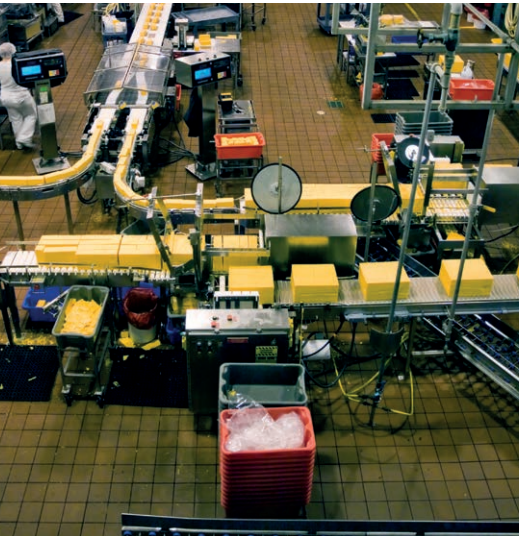
KEOR S

SINGLE PHASE
UPS
from 3 to 10 kVA



GLOBAL SPECIALIST IN ELECTRICAL
AND DIGITAL BUILDING INFRASTRUCTURES





KEOR S

SINGLE PHASE UPS DESIGNED FOR INDUSTRIAL APPLICATIONS

Compact and robust, Keor S is the perfect UPS to protect and supply loads in the industrial fields.

Power Range From 3 KVA up to 10KVA

Power factor 0,9

High Efficiency up to 94%

Built in paralleling feature up to 4 units

Built in Back Feed Protection

Protection Degree IP31

Long back up time availability

Integrated maintenance bypass

**Integrated internal isolation
transformer option**



User friendly Display



**Remote control &
Monitoring Supervision**



Easy to move

KEOR S

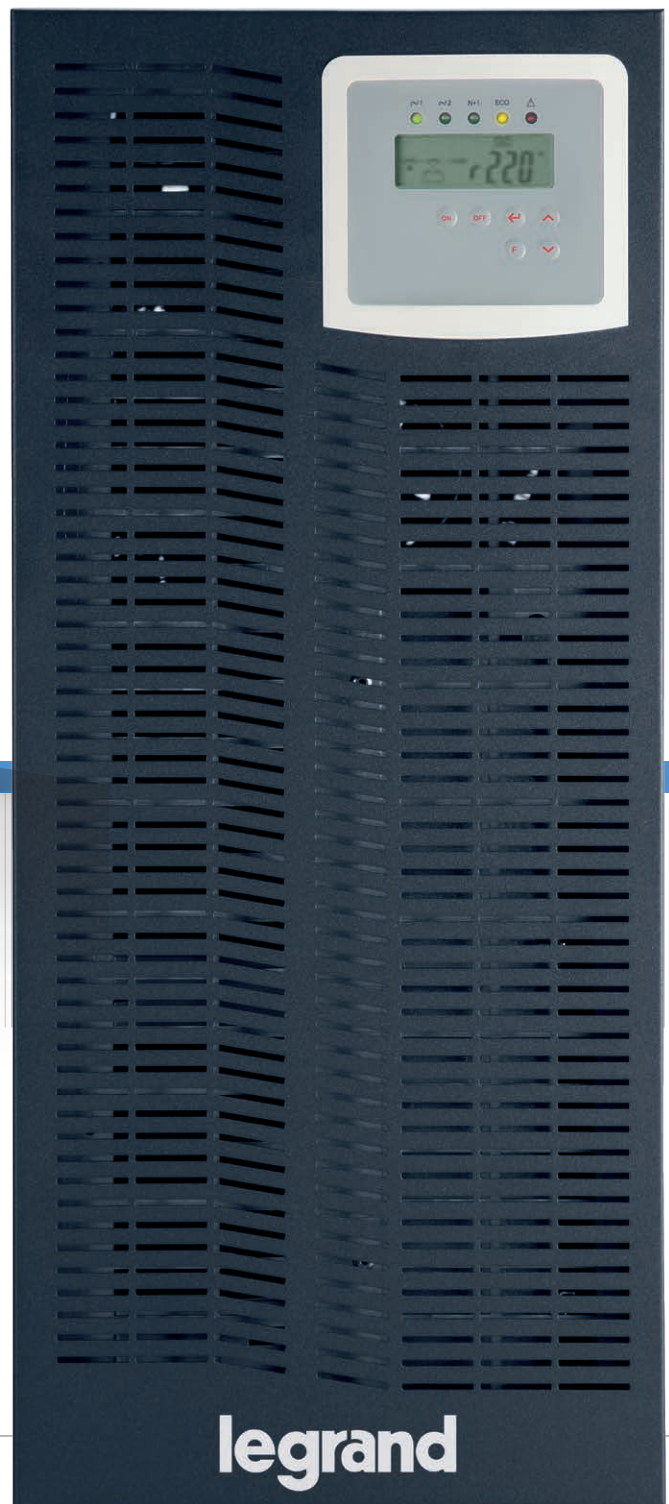
ONLINE single phase

The integrated maintenance bypass simplifies the maintenance operations, increases the service continuity and helps to reduce the complexity of the installations.

Easy access to circuit breakers, INPUT/OUTPUT terminals, maintenance bypass and communication port



on line UPS
compact and easy
to move



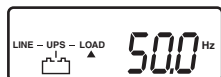
DISPLAY

All parameters & status of the ups is available on the display:

- Input voltage



- Input frequency



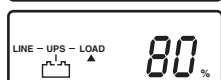
- Output voltage



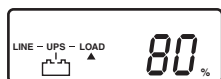
- Output frequency



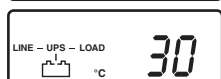
- % load



- Battery voltage



- Internal temperature



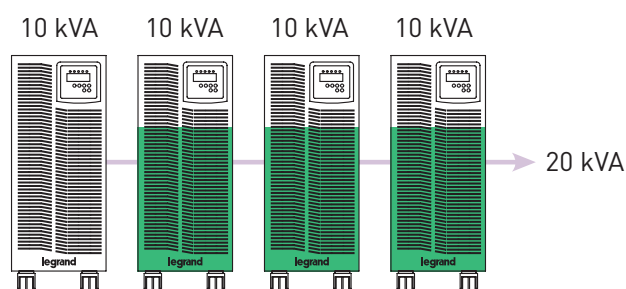
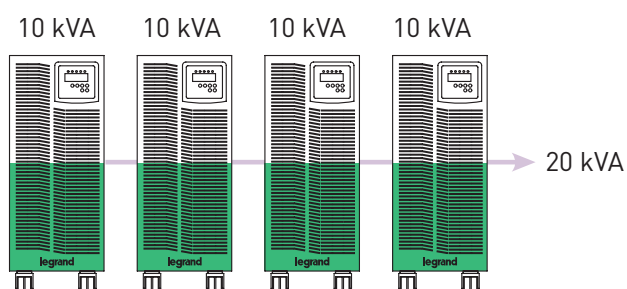
ADDITIONAL BATTERY CHARGER

Thanks to the external additional charger we can propose short recharge times also on the long back up time configurations.



PARALLEL REDUNDANT APPLICATIONS UP TO 4 UNITS

UPS built in paralleling function and ready to actuate on site easily up to 4 units. This architecture eliminates risk of single point of failure.



KEOR S

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



3 101 20



3 107 41

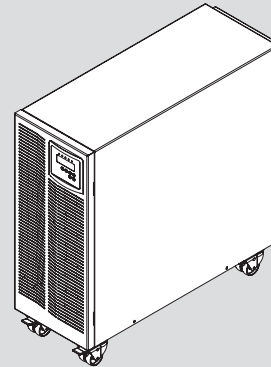
| Pack | Cat. Nos. | SINGLE-PHASE UPS | | | |
|------|-----------------|------------------|----------------|--------------------|-----------------|
| | | NOMINAL POWER VA | ACTIVE POWER W | BACKUP TIME (MIN.) | NET WEIGHT (kg) |
| | 3 101 21 | 3000 | 2400 | 8 | 53 |
| | 3 101 22 | 3000 | 2400 | 27 | 75 |
| | 3 101 23 | 3000 | 2400 | 50 | 97 |
| | 3 101 28 | 6000 | 5400 | 55 | 106 |
| | 3 101 31 | 10000 | 9000 | 10 | 114 |

| SINGLE-PHASE UPS WITH ISOLATION TRANSFORMER | | | | | |
|---|-----------------|------------------|----------------|--------------------|-----------------|
| | Cat. Nos. | NOMINAL POWER VA | ACTIVE POWER W | BACKUP TIME (MIN.) | NET WEIGHT (kg) |
| | 3 101 25 | 3000 | 2400 | 8 | 85 |
| | 3 101 29 | 6000 | 5400 | 0 | 100 |
| | 3 101 35 | 10000 | 9000 | 0 | 126 |

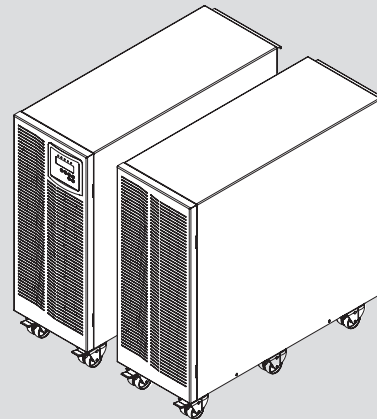
| BATTERY CABINET | |
|-----------------|---|
| | DESCRIPTION |
| 3 107 40 | Empty battery cabinet |
| 3 107 41 | Battery cabinet with 2x6x12 Ah (for KEOR S 3000) |
| 3 107 42 | Battery cabinet with 3x6x12 Ah (for KEOR S 3000) |
| 3 107 43 | Battery cabinet with 6x6x12 Ah (for KEOR S 3000) |
| 3 107 44 | Battery cabinet with 20x12 Ah (for KEOR S 6000-10000) |
| 3 107 45 | Battery cabinet with 2x20x12 Ah (for KEOR S 6000-10000) |

| ACCESSORIES | |
|-----------------|---|
| | DESCRIPCIÓN |
| 3 109 61 | Battery charger for additional battery cabinet (for 3 107 41 - 3 107 42 - 3 107 43) |
| 3 109 54 | Battery charger for additional battery cabinet (for 3 107 44 - 3 107 45) |

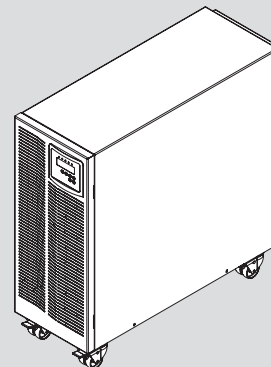
**UPS WITH INTERNAL BATTERIES
BACKUP TIME UP TO 42 MIN FOR 3 KVA**



**UPS FOR LONG AUTONOMY
WITH ADDITIONAL BATTERY CABINET**



**UPS WITH ISOLATION
TRANSFORMER BUILT IN**



NOTE: The stated back-up times in minutes are estimated and may vary according to the load characteristics, operating conditions and environment.

KEOR S

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

| Model. | KEOR S 3kVA | KEOR S 6kVA | KEOR S 10kVA |
|---|--|---|--------------|
| General characteristics | | | |
| Nominal power (VA) | 3000 | 6000 | 10000 |
| Active power (W) | 2400 | 5400 | 9000 |
| Technology | On-line double conversion VFI-SS-111 | | |
| Waveform | Sinusoidal | | |
| Architecture | conventional UPS | | |
| Input characteristics | | | |
| Input voltage | 220V-230V-240V | | |
| Input frequency | 45-55 | 45-65 | |
| Input voltage range | 160V-288V | 180V-280V | |
| THD of input current | 6% | | |
| Input power factor | > 0,99 | | |
| Output characteristics | | | |
| Output voltage | 220V/230V/240V | | |
| Output frequency (nominal) | 50 /60 Hz Adjustable from Front Panel +/- 0,05% | | |
| Crest factor | 3:1 | | |
| THD of output voltage | < 1,5% with linear load < 3% with non-linear load | | |
| Permissible overload | 10 seconds at 125%-150% 30 seconds at 106%-120% | 120 seconds at 100%-120% 30 seconds at 121%-150% | |
| Efficiency in Eco mode | 98% | | |
| Bypass | Automatic bypass and manual maintenance bypass | | |
| Batteries | | | |
| Backup time extension | Yes | | |
| Battery type | VRLA - AGM | | |
| Communication and management | | | |
| LCD Display | Available | | |
| Communication Ports | 1 RS232 serial ports, modbus and SNMP optional | | |
| Remote Management | Available | | |
| Physical characteristics | | | |
| Dimensions H x W x D (mm) | 716 x 275 x 776 | | |
| Dimensions battery cabinet H x W x D (mm) | 716 x 275 x 776 | | |
| Ambient conditions | | | |
| Operating temperature (°C) | 0÷40 | | |
| Relative humidity (%) | 20÷80 non condensing | | |
| Protection index | IP31 | | |
| Noise at 1 m (dBA) | < 50 | | |
| Compliance | | | |
| Reference product standards | EN 62040-1, EN 62040-2, EN 62040-3 | | |



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