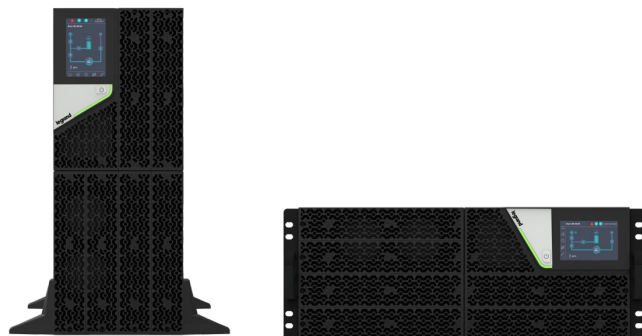


Keor DK 5-6 kVA

Single phase UPS system with internal batteries

Cat.No : 3 113 48- 3 113 49



CONTENT

Page

| | |
|------------------------------------|---|
| 1. Characteristics | 1 |
| 2. Technical data | 1 |
| 3. Standards and regulations | 2 |
| 4. Other informations..... | 2 |

1. CHARACTERISTICS

The Legrand UPS model Keor DK is an uninterruptible power source with high frequency PWM technology, Double Conversion On-Line, solid neutral, Rated Power 5000 and 6000 VA, PF 1. Equipped with valve-regulated, hermetically-sealed accumulator batteries, contained in a specific compartment inside the UPS or in one or more external cabinets. The electronics and batteries are contained in just 4 rack units.

2. TECHNICAL DATA

■ 2.1 General characteristics

| | |
|---------------------|-------------------------------------|
| Nominal power [kVA] | 5000-6000 |
| Active power [kW] | 5000-6000 |
| Technology | On-Line Double Conversion VFI-SS-11 |
| Waveform | Sinusoidal |
| UPS architecture | Convertible tower and rack 19" |
| Efficiency (AC-AC) | 95% |
| ECO Mode efficiency | 99% |

■ 2.2 Input

| | |
|----------------------|-----------------|
| Input voltage [V] | 230 |
| Input frequency [Hz] | 50/60 |
| Input Voltage Range | 176-280 |
| THD Input current | ≤5 |
| Input power factor | >0.99 |
| Input Connection | Terminal strips |

■ 2.3 Output

| | |
|----------------------------|--|
| Output voltage [V] | 230 V ± 1% |
| Output frequency (nominal) | 50/60 Hz +/- 0.1% |
| Crest Factor | 3:1 |
| THD Output voltage | < 3% with linear load |
| Output Voltage Tolerance | ±1% |
| Bypass | Static bypass switch |
| Outlet | 8 x10A, IEC 320-C13+ 2 x 16A IEC 320-C19 + terminal strips |

■ 2.4 Battery

| | |
|--|-------------------------------|
| Uptime Expansion | Yes |
| Number of batteries | 20 |
| Battery series Type/Voltage | 12V 5Ah |
| Recharge time (to 90%) | 4 hours (4A Charging Current) |
| Battery disconnect for safe transportation | Yes |

■ 2.5 Communication and management

| | |
|------------------------|---|
| Display and Signals | True-color Touch-panel 3.5" with led status bar |
| Communication Ports | RS232, USB, 3 dry-contact, EPO, ROO |
| Remote Management | Available |
| Network interface slot | SNMP |
| Parallel mode | Yes |
| Gen Set mode | Yes |

■ 2.6 Mechanical characteristics

| | |
|---|-------------|
| Measurements WxHxD [mm] | 440x176x700 |
| Battery Cabinet Measurements WxHxD [mm] | 440x88x680 |
| Net Weight [kg] | 54 |

■ 2.7 Enviromental specs

| | |
|---|----------------------|
| Operating temperature [°C] | 0 ÷ 40 °C |
| Degree of protection | IP20 |
| Relative humidity [%] | 0-95% non-condensing |
| Noise level at 1 m [dBA] | <50 |
| Heat Loss [BTU/h] | 1005 |
| Maximum Altitude without derating [m above the sea level] | 0 to +2,000 m |

3. STANDARDS AND REGULATIONS

The UPS Keor DK has the CE Mark accordingly with the EU Directives 2006 95 2004 108 and it comply with following standards

- EN 62040-1: General rules for electric safety
- EN 62040-2: Electromagnetic compatibility and immunity (EMC)
- EN 62040-3: Performances and testing rules

RoHS :

Compliance with the 2011/65/EU Directive (RoHS), as modified by the 2015/863/EU Delegated Directive, on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

REACH :

The substances identified as SVHC (Substances of Very High Concern) according to the REACH Regulation (1907/2006), if present in the products at a concentration above 0.1% weight by weight, are declared inside the European SCIP database. At the date of publication of this document none of the substance listed in the annex XIV is found in this product.

Batteries

The batteries included in this product comply with the requirements set out in European Regulation 2023/1542, according to the application timing indicated therein.

WEEE

WEEE Directive (2012/19/EU): the sale of this product includes a contribution to the appointed environmental bodies of each European country in charge of handling, at the end of their life, the products falling within the scope of the EU Directive on Electrical and Electronic Equipment Waste

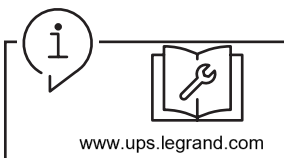
Packaging :

Design and manufacture of packaging compliant with European Directive 94/62/CE.

The UPS Keor DK is CE marked in accordance with EU directives 2006 95 2004 108



4. OTHER INFORMATIONS



Installation and maintenance manual: mounting informations and maintenance guide available on e-catalogue

For further technical information, please contact Legrand technical support.

Unless otherwise indicated, data reported in this document refers exclusively to test conditions according to product standards. For different conditions of use of the product, inside electrical equipment or in any different installation context, refer to the regulatory requirements of the equipment, local regulations and design specifications of the system.