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Keor DK 5-6 kVA

Single phase UPS system with internal batteries

Cat.No : 3 113 48- 3 113 49

CONTENT **Page**

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 disconnector 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.

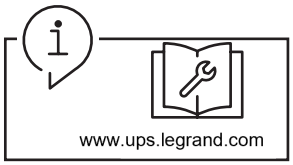
WEEE
WEEE Directive (2012/19/EU): the sale of this product includes a contribution to the appointed environmental bodies of each European country in charge of handling, at the end of their life, the products falling within the scope of the EU Directive on Electrical and Electronic Equipment Waste

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

CE

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.

Digitally signed by Muntean Oleg
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