

Keor DK 10-20 kVA
Single phase Rack UPS system

Cat.No : 3 113 53 - 3 113 54 – 3 113 55



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 Rack is an uninterruptible power source with high frequency PWM technology, Double Conversion On-Line, solid neutral, Rated Power 10-15-20 kVA – PF 1, it does not contain internal batteries but can be connected to one or more external cabinets containing valve-regulated, hermetically sealed accumulator batteries. The architecture of this UPS means it can be installed in 19" Rack cabinets.

2. TECHNICAL DATA

■ **2.1 General characteristics**

Nominal power [kVA]	10	15	20
Active power [kW]	10	15	20
Technology	On-Line Double Conversion VFI-SS-11		
Waveform	Sinusoidal		
UPS architecture	Rack 19"		
Efficiency (AC-AC)	Up to 96%		
ECO Mode efficiency	Up to 99%		

■ **2.2 Input**

Input voltage [V]	1ph 230V; 3ph 400V
Input frequency [Hz]	50-60 autosensing
Input Voltage Range	176 V - 280 V (1ph) 305V - 485V (3ph)
THD Input current	< 3%
Input power factor	>0.99

■ **2.3 Output**

Output voltage [V]	1ph 230V; 3ph 400V
Output frequency (nominal)	50/60 Hz +/- 0.1%
Crest Factor	3:1
THD Output voltage	< 2% with linear load
Output Voltage Tolerance	±1%
Bypass	Static Automatic and Manual
Outlet	Terminal strips

■ **2.4 Battery**

Uptime Expansion	Yes		
Number of batteries	External		
Battery series Type/Voltage	External		
Nominal string voltage [Vdc]	10kW: ±96V	15kW: ±192V	20kW: ±192V
Battery voltage range [Vdc]	10kW: ±96V to ±240V	15kW: ±192V to ±240V	20kW: ±192V to ±240V
Battery string	±8 to ±20 (±8 default)	±16 to ±20 (±16 default)	±16 to ±20 (±16 default)
Max. number of battery cabinet	4	8	8

■ **2.5 Communication and management**

Display and Signals	True-color Touch-panel 4.3" with led status bar
Communication Ports	EPO/ROO/Dry contact embedded, RS232, BMS
Remote Management	Available
Network interface slot	SNMP
Parallel mode	Yes, up to 4 units for power capacity or redundancy
Gen Set mode	Yes

■ **2.6 Mechanical characteristics**

Measurements WxHxD [mm]	438x130x535
Battery Cabinet Measurements WxHxD [mm]	438x130x570
Net Weight [kg]	10kW:19 15kW: 21 20kW: 21

■ **2.7 Environmental specs**

Operating temperature [°C]	-5 °C to 40 °C
Degree of protection	IP20
Relative humidity [%]	10% to 75% (non-condensing)
Noise level at 1 m [dBA]	≤55dB
Heat Loss [BTU/h]	10kW: 1952 15kW: 3007 20kW: 3905

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

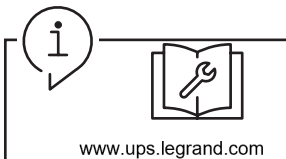
Packaging :

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

L'UPS Keor DK porte le marquage CE conformément aux directives de l'UE 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.