

Keor DK 1 kVA
Single phase UPS system

Cat.No : 3 113 40 - 3 113 45 - 3 113 34 - 3 113 37



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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 1000 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 two rack units.

2. TECHNICAL DATA

2.1 General characteristics

Nominal power [kVA]	1000
Active power [kW]	1000
Technology	On-Line Double Conversion VFI-SS-11
Waveform	Sinusoidal
UPS architecture	Convertible tower and rack 19"
Efficiency (AC-AC)	92%
ECO Mode efficiency	98.3%

2.2 Input

Input voltage [V]	230
Input frequency [Hz]	50/60
Input Voltage Range	176~280V : 100%load 160~280V : 75% load 110~280V : 50% load
THD Input current	<5%
Input power factor	≥0.99 @ full linear load
Input Plug	3 113 40 - 3 113 45: type E/F Standard 3 113 34 - 3 113 37: British Standard

2.3 Output

Output voltage [V]	230, adjustable to 200/208/220/230/240 V
Output frequency (nominal)	50/60 Hz
Crest Factor	3:1
THD Output voltage	< 3% @ 100% linear load < 5% at 0.9 non-linear load
Output Voltage Tolerance	±1%
Bypass	Static bypass switch

Outlet	IEC320 C13 x 6 Programmable Outlet
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2.4 Battery

	3 113 40 - 3 113 34	3 113 45 - 3 113 37
Uptime Expansion	Yes	Yes
Number of internal batteries	3	-
Battery series Type/Voltage	12V 7.2Ah	-
Recharge time (to 90%)	4 hours (2A Charging Current)	8A Charging current
Battery disconnecter for safe transportation	Yes	-
Battery replacement	Hot swappable with safety touch design	-

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

2.6 Mechanical characteristics

	3 113 40 - 3 113 34	3 113 45 - 3 113 37
Measurements WxHxD [mm]	440x88x454	440x88x454
Battery Cabinet Measurements WxHxD [mm]	440x88x583	440x88x583
Net Weight [kg]	14,8	10

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]	41-50dB with Smart Noise Control
Heat Loss [BTU/h]	314

Maximum Altitude without derating [m above the sea level]	0 to + 2,000 m
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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.

Keor DK 2 kVA
Single phase UPS system

Cat.No : 3 113 41 - 3 113 46 - 3 113 35- 3 113 38



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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 2000 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 two rack units.

2. TECHNICAL DATA

2.1 General characteristics

Nominal power [kVA]	2000
Active power [kW]	2000
Technology	On-Line Double Conversion VFI-SS-11
Waveform	Sinusoidal
UPS architecture	Convertible tower and rack 19"
Efficiency (AC-AC)	92.5%
ECO Mode efficiency	98.3%

2.2 Input

Input voltage [V]	230
Input frequency [Hz]	50/60
Input Voltage Range	176~280V : 100%load 160~280V : 75% load 110~280V : 50% load
THD Input current	<5%
Input power factor	≥0.99 @ full linear load
Input Plug	3 113 41-3 113 46: type E/F Standard 3 113 35- 3113 38: British Standard

2.3 Output

Output voltage [V]	230, adjustable to 200/208/220/230/240 V
Output frequency (nominal)	50/60 Hz
Crest Factor	3:1
THD Output voltage	< 3% @ 100% linear load < 5% at 0.9 non-linear load
Output Voltage Tolerance	±1%
Bypass	Static bypass switch

Outlet	IEC320 C13 x 6 Programmable Outlet+ IEC320 C19x1
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2.4 Battery

	3 113 41 - 3 113 35	3 113 46 - 3 113 38
Uptime Expansion	Yes	Yes
Number of internal batteries	6	-
Battery series Type/Voltage	12V 7.2Ah	-
Recharge time (to 90%)	4 hours (2A Charging Current)	8A Charging current
Battery disconnecter for safe transportation	Yes	-
Battery replacement	Hot swappable with safety touch design	-

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

2.6 Mechanical characteristics

	3 113 41 - 3 113 35	3 113 46 - 3 113 38
Measurements WxHxD [mm]	440x88x640	440x88x640
Battery Cabinet Measurements WxHxD [mm]	440x88x583	440x88x583
Net Weight [kg]	24	13

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]	41-50dB with Smart Noise Control
Heat Loss [BTU/h]	590

Maximum Altitude without derating [m above the sea level]	0 to + 2,000 m
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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.

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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.

Keor DK 3 kVA
Single phase UPS system

Cat.No : 3 113 42 - 3 113 47- 3 113 36- 3 113 39



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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 3000 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 two rack units.

2. TECHNICAL DATA

2.1 General characteristics

Nominal power [kVA]	3000
Active power [kW]	3000
Technology	On-Line Double Conversion VFI-SS-11
Waveform	Sinusoidal
UPS architecture	Convertible tower and rack 19"
Efficiency (AC-AC)	93%
ECO Mode efficiency	98.3%

2.2 Input

Input voltage [V]	230
Input frequency [Hz]	50/60
Input Voltage Range	176~280V : 100%load 160~280V : 75% load 110~280V : 50% load
THD Input current	<5%
Input power factor	≥0.99 @ full linear load
Input Plug	3 113 42 - 3 113 47: type E/F Standard 3 113 36 - 3113 39: British Standard

2.3 Output

Output voltage [V]	230, adjustable to 200/208/220/230/240 V
Output frequency (nominal)	50/60 Hz
Crest Factor	3:1
THD Output voltage	< 3% @ 100% linear load < 5% at 0.9 non-linear load
Output Voltage Tolerance	±1%
Bypass	Static bypass switch
Outlet	IEC320 C13 x 6 Programmable Outlet+ IEC320 C19x1

2.4 Battery

	3 113 42 - 3 113 36	3 113 47 - 3 113 39
Uptime Expansion	Yes	Yes
Number of internal batteries	6	-
Battery series Type/Voltage	12V 9Ah	-
Recharge time (to 90%)	4 hours (2A Charging Current)	8A Charging current
Battery disconnecter for safe transportation	Yes	-
Battery replacement	Hot swappable with safety touch design	-

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

2.6 Mechanical characteristics

	3 113 42 - 3 113 36	3 113 47 - 3 113 39
Measurements WxHxD [mm]	440x88x640	440x88x640
Battery Cabinet Measurements WxHxD [mm]	440x88x583	440x88x583
Net Weight [kg]	27	15

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]	41-50dB with Smart Noise Control
Heat Loss [BTU/h]	774
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 :

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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

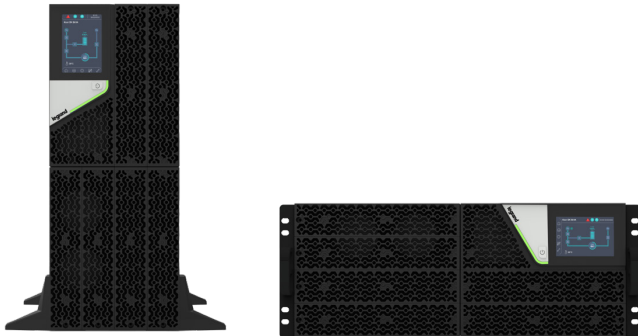
For further technical information, please contact Legrand technical support.

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Keor DK 5-6 kVA

Single phase UPS system with internal batteries

Cat.No : 3 113 48- 3 113 49



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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 disconnecter 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 Environmental 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 :

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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

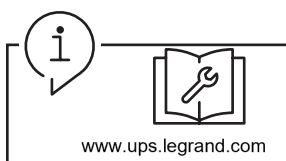
Packaging :

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.

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Keor DK 5-6-10 kVA

Single phase UPS system without internal battery

Cat.No : 3 113 50-3 113 51-3 113 52



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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, 6000 and 10000 VA, 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 electronics are contained in just two rack units.

2. TECHNICAL DATA

■ 2.1 General characteristics

Nominal power [kVA]	5000- 6000-10000
Active power [kW]	5000- 6000-10000
Technology	On-Line Double Conversion VFI-SS-11
Waveform	Sinusoidal
UPS architecture	Convertible tower and rack 19"
Efficiency (AC-AC)	Up to 96%
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	Terminal strips

■ 2.4 Battery

Uptime Expansion	Yes
Number of batteries	-
Battery series Type/Voltage	-
Max charging current	4A

■ 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]	440x88x700
Battery Cabinet Measurements WxHxD [mm]	440x88x680 (5-6kVA) 440x132x700 (10kVA)
Net Weight [kg]	16 (5-6kVA) 18 (10kVA)

■ 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 (5-6kVA) 1750 (10kVA)
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 :

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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

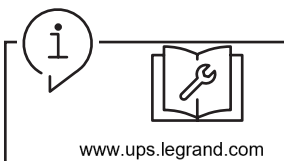
Packaging :

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.

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Keor DK 10-20 kVA
Single phase Rack UPS system

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



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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
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 Enviromental 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 :

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REACH :

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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

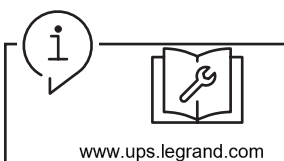
Packaging :

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.