

UPS Technical Specification

Declaration of additional requirements in accordance with IEC 62040-4

Keor HPE		
Subclause IEC 62040-4	Declared environmental aspect	LEGRAND's declared value
5.2.2	Location of manufacturing plant(s)	Italy
	Environmental management system (certification status and name of system)	ISO 14001
5.2.3	Model	Keor HPE 160
	Power, rated – apparent – active	160 kVA 160 kW
	Representative UPS	Yes
	Range of UPS covered by representative UPS	Keor HPE offer
	UPS configuration	Single UPS with bypass or Parallel UPS with distributed bypass
	Performance classification	VFI-SS-111
	Dimensions (height × width × depth)	1800 x 560 x 940 mm
	Mass	380 kg
	Mass of batteries if integrated	-
	Battery technology	-
	Product packaging (mass, material)	Total weight of Reference Product: 380 Kg (all packaging included) Packaging as % of weight: - Wood: 7.1% - Paper / cardboard: 3%
Group packaging, if applicable (mass, material)	-	
Transportation packaging, if applicable (mass, material)	-	
5.2.4	Substances – Criterion 1	<ul style="list-style-type: none"> - Lead alloyed (CAS 7439-92-1) in the metals and batteries - Lead titanium zirconium oxide (CAS 12626-81-2) in piezoelectric electronic components - Diboron trioxide (CAS 1303-86-2) in some electronic components - Lead not alloyed (CAS 7439-92-1) in some electronic components

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5.2.5	UPS Efficiency	Up to 96%
	Acoustic Noise	< 60 dBA at 1m
5.2.6	End of life information	<ul style="list-style-type: none">- printed circuit boards if larger than 10 cm²: 6.6 kg- electrolytic capacitors of height > 25 mm and diameter > 25 mm or proportionately similar volume

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5.3.2.2	Recyclable material, (percentage by mass, calculation method) – in product – in packaging	<p>Calculated using the method described in technical report IEC/TR 62635, the recyclability rate of the product is estimated at 74 %. This value is based on data collected from a technological channel operating on an industrial basis. It does not pre-validate the effective use of this channel for the end of life of this product.</p> <p>Separated into:</p> <ul style="list-style-type: none"> - plastic materials (excluding packaging): 1 % - metal materials (excluding packaging): 41 % - other materials (excluding packaging): 4 % - packaging (all types of materials): 10 %
5.3.2.3	Life cycle assessment	<p>Global warming</p> <p>Total for Life Cycle: 2.86E+05 kgCO2 eq.</p> <p>Raw material and manufacture: 2.36E+03 - < 1%</p> <p>Distribution: 1.48E+01 - < 1%</p> <p>Installation: 2.05E+00 - < 1%</p> <p>Use: 2.84E+05 - 99%</p> <p>End of life: 3.22E+01 - < 1%</p> <p><i>for more details, check the Product Environmental Profile</i></p>