

## UPS Technical Specification

### Declaration of additional requirements in accordance with IEC 62040-4

Trimod HE		
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	LG-310431 + 3 x LG-310869 4 x LG-310875
	Power, rated – apparent – active	10 kVA 10 kW
	Representative UPS	Yes
	Range of UPS covered by representative UPS	Trimod HE offer
	UPS configuration	Single UPS with bypass
	Performance classification	VFI-SS-111
	Dimensions (height x width x depth)	1650 x 414 x 628 mm
	Mass	123.5 kg
	Mass of batteries if integrated	64 kg
	Battery technology	Lead-acid batteries (VRLA)
	Product packaging (mass, material)	Total weight of Reference Product: 200 Kg (all packaging included)  Packaging as % of weight: - Paper / cardboard: 11.2% - Wood: 7.3% - Steel: 0,7% - Polyethylene: 0,3%
Group packaging, if applicable (mass, material)	-	
Transportation packaging, if applicable (mass, material)	-	
5.2.4	Substances – Criterion 1	<ul style="list-style-type: none"> <li>- Lead alloyed (CAS 7439-92-1) in the metals and batteries</li> <li>- Lead titanium zirconium oxide (CAS 12626-81-2) in piezoelectric electronic components</li> <li>- Diboron trioxide (CAS 1303-86-2) in some electronic components</li> <li>- Lead not alloyed (CAS 7439-92-1) in some electronic components</li> </ul>

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5.2.5	UPS Efficiency	Up to 96%
	Acoustic Noise	58 – 62 dBA at 1m
5.2.6	End of life information	<ul style="list-style-type: none"><li>- lead-acid batteries: 64 kg</li><li>- plastic containing regulated flame retardants</li><li>- electrolytic capacitors of height &gt; 25 mm and diameter &gt; 25 mm or proportionately similar volume</li></ul>

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5.3.2.2	Recyclable material, (percentage by mass, calculation method) – in product – in packaging	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. Separated into: - plastic materials (excluding packaging): 3 % - metal materials (excluding packaging): 47 % - other materials (excluding packaging): 15 % - packaging (all types of materials): 19 %
5.3.2.3	Life cycle assessment	Global warming  Total for Life Cycle: 2.00E+04 kgCO2 eq.  Raw material and manufacture: 9.14E+02 - 3%  Distribution: 7.76E+00 - < 1%  Installation: 2.25E+00 - < 1%  Use: 1.91E+04 - 95%  End of life: 2.10E+01 - < 1%  <i>for more details, check the Product Environmental Profile</i>