



DATA CENTER SOLUTIONS

Sustainable Datacentres Through UPS Innovation

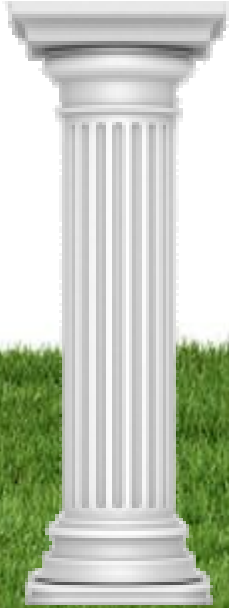
Keor **FLEX**

THREE-PHASE
MODULAR UPS
up to 1.2 MW

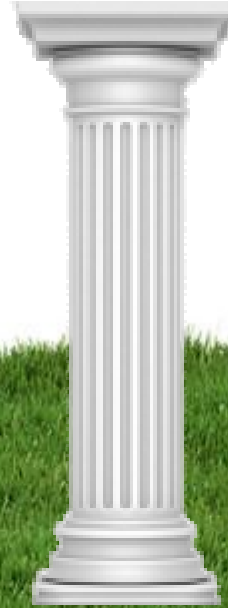


Sustainability Pillars

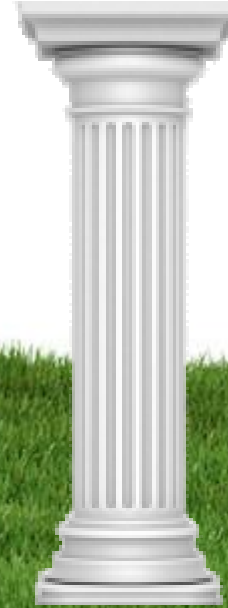
CSR Targets



Design / Performance



Circular Economy



Sustainability Pillars

Keor FLEX

THREE-PHASE
MODULAR UPS
up to 1.2 MW

CSR Targets



CSR Targets

Our ambition, helps your ambition.

REDUCE OUR
**CARBON
FOOT
PRINT**

CONTRIBUTING TO THE FIGHT AGAINST CLIMATE CHANGE

In order to limit the impact of the Group's activities on climate change, Legrand is committed to reducing its carbon footprint and that of its products by:

- reducing its direct greenhouse gas emissions;
- enabling customers and buildings to reduce their energy consumption;
- supporting its suppliers on a trajectory to reduce carbon emissions.

DEVELOP A
**CIRCU
LAR
ECO
NOMY**

BUILDING A VIRTUOUS ECOSYSTEM

The integration of a circular economy approach into Legrand's activities is a major focus of the Group's sustainable development commitment.

CSR Targets

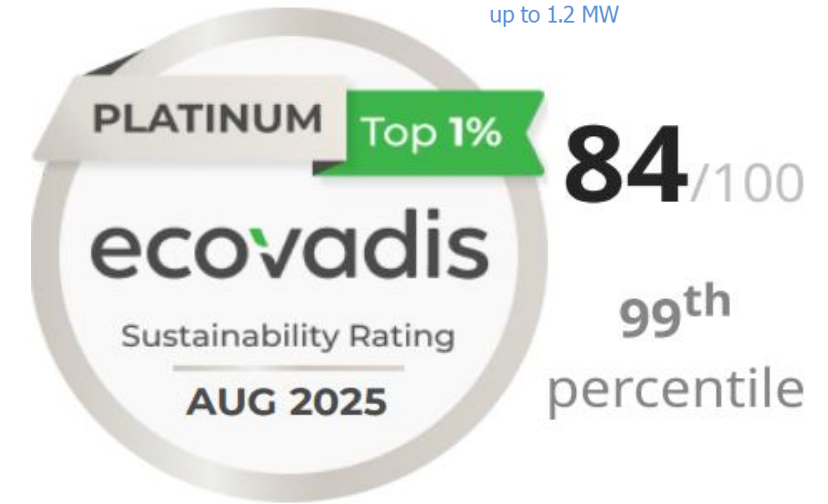
Our ambition, helps your ambition.

August 2022 - August 2023 = **76/100**

August 2023 - August 2024 = **79/100**

November 2024 - November 2025 = **80/100**

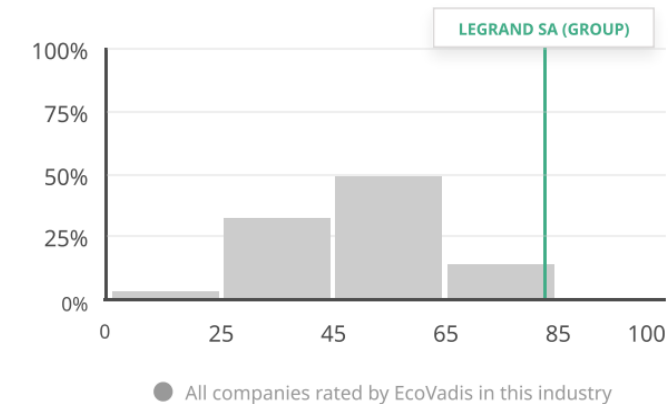
August 2025 - August 2026 = **84/100**



Key contributing factors to this achievement include:

- Strengthened **environmental management systems** and measurable carbon reduction initiatives
- Enhanced **social responsibility programs**, including diversity, equity, and inclusion actions
- Improved **supply chain sustainability assessments** and supplier engagement
- Robust **ethics and compliance frameworks** aligned with international standards
- Transparent reporting and alignment with **global sustainability benchmarks**

Overall score distribution



CSR Targets – Goals for Net Zero

What is our Net Zero target?

In order to contribute to a more sustainable future for all, Legrand has undertaken to achieve **Net Zero by 2050**, a commitment that has been validated by the SBTi (Science Based Targets initiative).



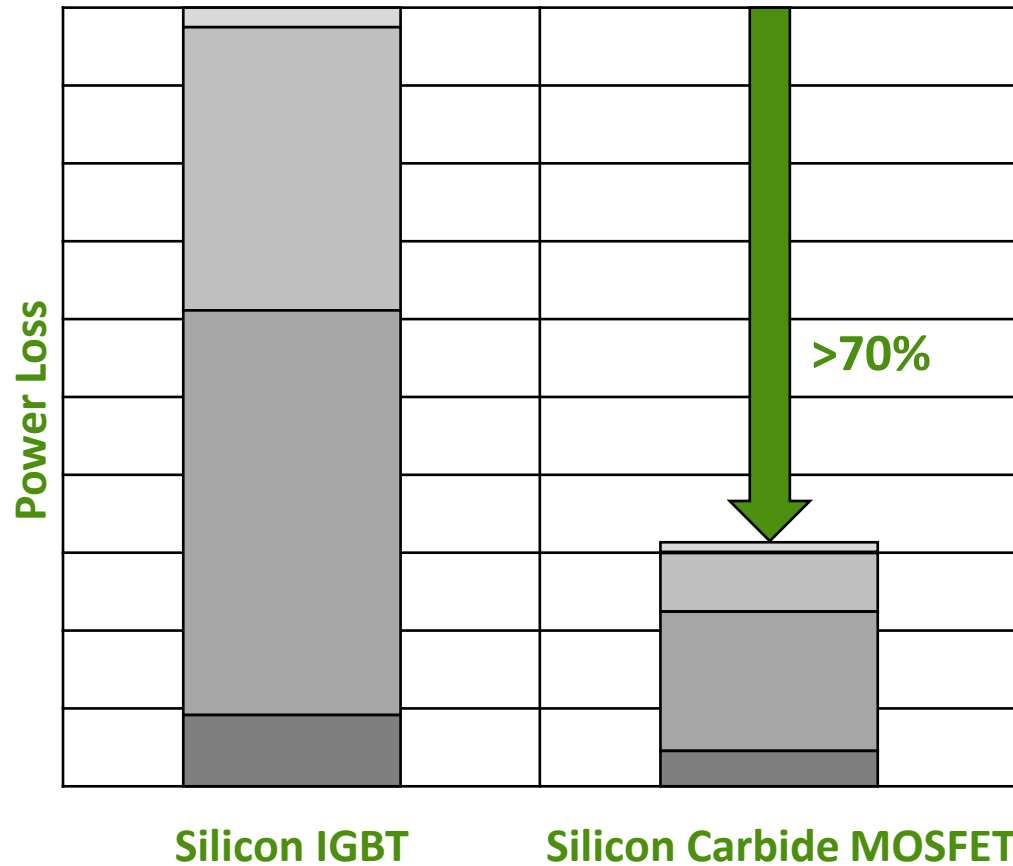
Sustainability Pillars

Design / Performance







Design and Performance

How New Technology Enhances UPS Performance



Characteristics	SiC vs Si	Result	Benefit
Breakdown Field	10 x Higher	Lower Resistance	Higher Efficiency
Electron Sat. Velocity	2 x Higher	Faster Switching	Size Reduction
Bandgap Energy	3 x Higher	Higher Junction Temperature	Improved Cooling
Thermal Conductivity	3 x Higher	Higher Power Density	Higher Current Capabilities

-  Diode Loss
-  Turn-Off Loss
-  Turn-On Loss
-  Conduction Loss

Design and Performance

How Intelligent Design Enhances UPS Performance

98.6%

 Peak Efficiency VFI

Implementing the latest generation of SiC MOSFET semi-conductors, coupled with an innovative low loss internal power distribution technology results in **Keor FLEX** delivering Benchmark performance.

Design and Performance

How Intelligent Design Enhances UPS Performance



Innovative design for Power and Bypass Modules, result in true Hot Swap, reduced MTTR and higher system availability.

Specific attention to the system design, increases airflow, allowing operation up to 40°C without derating and reducing external cooling requirements for **Keor FLEX**

Design and Performance

How “Where” Matters



Careful consideration on manufacturing locations, including sub-assembly suppliers, dramatically reduce logistic transportation. This contributes to a reduction in Carbon footprint and an increase in security of supply (no international shipping). The immediate supply chain for **Keor FLEX** is within a 10km radius of final assembly in Bibbiena.

Sustainability Pillars

Circular Economy



Circular Economy

Designing for the Future

Keor FLEX

THREE-PHASE
MODULAR UPS
up to 1.2 MW



Careful selection of materials used in the construction of **Keor FLEX** have resulted in award winning recycling performance of circa **85%**, massively reducing future land fill contributions.



reddot winner 2025

RED DOT DESIGN AWARDS 2025

Keor FLEX wins this prestigious International recognition, confirming the ability of Legrand to **combine technology and design**


Best Reuse or Recycling of Products, Energy, or Data Centre Infrastructure

 **legrand**[®]

DATA CENTER SOLUTIONS


Circular Economy

Designing for the Future




Product Environmental Profile

UPS
KEOR FLEX 1200 kVA




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LEGRAND'S ENVIRONMENTAL COMMITMENTS

- Incorporate environmental management into our industrial sites
Of all Legrand sites worldwide, over 85% are ISO 14001-certified (sites belonging to the Group for more than five years).
- Offer our customers environmentally friendly solutions
Develop innovative solutions to help our customers design more energy efficient, better managed and more environmentally friendly installations.
- Involve the environment in product design and provide informations in compliance with ISO 14025
Reduce the environmental impact of products over their whole life cycle.
Provide our customers with all relevant information (composition, consumption, end of life, etc.).




REFERENCE PRODUCT

Function	Functional Unit definition: To ensure the supply of power to remain within specified characteristics to equipment with load of 100 watts for a RSL of 1 years. Declared Unit definition: To ensure the supply of power to remain within specified characteristics to equipment with load of 1200000 watts for a RSL of 15 years.
	
Reference Product	<p>900091 + 12 x 311390 + 940103 + 940105 + 940107 + 940109 + 940113</p> <p>KEOR FLEX - 1200kW - Cabinet 2250 x 2100 x 1260 mm - Input Triphase / Output Triphase UPS On-line double conversion VFI-SS-111 - Modular UPS with Bypass, Scalable, Parallelable - Multimode Total mass without packaging: 2077 kg</p> <p>Correction factor between Declared Unit and Functional Unit: 180000</p>


The company reserves the right to change specifications and designs without notice. All illustrations, descriptions, dimensions and weights in the document are for guidance and cannot be held binding on the company.

3rd Party reports and certification are fully available for **Legrand UPS**, and all other Legrand products to supply data supporting our customers with Scope 3




Product Environmental Profile

UPS
KEOR FLEX 1200 kVA



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END OF LIFE

The product end of life factors are taken into account during the design phase. Dismantling and sorting of components or materials is made as easy as possible with a view to recycling or, failing that, another form of reuse. In Europe this product falls within the scope of the WEEE directive (2012/19/EU). Therefore it must be processed through local WEEE recycling/recovery channels.

- **Elements to process specifically:**

The following elements may be subject to specific treatments in appropriate channels to reduce the environmental impact of the end of product life:

- electronic cards: 421331 g
- LCD screen: 228 g

- **Recyclability rate:**

Calculated using the method described in technical report IEC/TR 62635, the recyclability rate of the product is estimated at 85 %. 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)	: 2 %
- metal materials (excluding packaging)	: 69 %
- other materials (excluding packaging)	: 12 %
- packaging (all types of materials)	: 2 %

Circular Economy

Designing for the Future

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To find out more,
drop by the Legrand stand

Keor FLEX

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