



Continuity,
Reengineered

Keor MOD⁺
THREE-PHASE MODULAR UPS
420 kW | 600 kW

#legrandImprovingLives

 **legrand**[®]

SUSTAINABILITY

Corporate Social Responsibility

Green management and sustainable supply chain: these concepts are part of Legrand's Corporate Social Responsibility, which is the company's commitment to drawing up a strategy and implementing it with practical actions aimed at socially responsible behaviour towards everything around it, such as people, things and environment.

CSR involves the management of human resources, the organisation and division of labour and the management of natural resources. CSR aims to assess the impact that the company's actions and decisions have internally, but also externally, on the stakeholders and the environment.

BUSINESS ECOSYSTEM

or how Legrand interacts ethically with the whole ecosystem of its activities.

PEOPLE

or how Legrand engages with all of its employees and stakeholders.

ENVIRONMENT

or how Legrand intends to limit the Group's environmental impact.



Circular economy

We are committed to creating a system that involves all stakeholders to share values, objectives and actions in order to control and reduce the environmental impact of all our economic and production processes, reduce waste and environmental impact and transform what would once have been defined as «waste» into new resources.

Controlling these aspects has an impact on the entire life cycle of the product, starting from the design of new concepts and new specifications for the materials the UPS is made of; this is possible through responsible design and procurement processes (so-called «green procurement»), with a strong focus on research and the use of innovative materials from the circular economy and alternative raw materials. When a product ends its life, all these materials can become high value-added resources that can be used in other production cycles.



Digitalisation

Many of our documents are now available in a digital format to view on a PC or smartphone, not only making them always accessible but also reducing the amount of paper we use.

Digitalisation also becomes an important driver of the circular economy, since it allows the use of tools for performance data analysis and preventive diagnostics, both useful for optimising the life cycle and durability of the product.

Efficiency

Our R&D team is constantly working on the development of increasingly efficient UPSs that allow high and incremental performance with minimum energy dissipation; with regard to CO₂ emissions, we are implementing processes and products that represent an improvement in the percentage of carbon footprint compared to the past. But efficiency is not only synonymous with high performance.

For us, efficiency also means ecodesign: this implies that the UPS is designed to be easily repaired, maintained and its components are easy to separate. This means increasing the durability of our UPSs and the possibility of reusing and recycling them at the end of their life.



EPD/PEP

For each product family we draw up an EPD (Environmental Product Declaration) or PEP (Profil Environnemental Produit) in line with ISO 14025: it is a declaration that is a sort of environmental photograph of the product.

The EPD is drawn up according to the concept of Life Cycle Assessment: it examines the environmental impact of a product throughout its life cycle, from the development of product specifications to the choice of materials to be used and the end-of-life destination of the product itself.

UPservice contains the full documentation of UPS products in digital format. This tool allows to reduce the use of paper documents in favour of the digital format for the benefit of a lower environmental impact. Visit our website **ups.legrand.com** to download the app.

SUPPORTED BY
UPSERVICE

Keor MOD+

The Stakes: Uptime is the New Currency

In today's digital economy, uptime isn't just a metric, it's the foundation of your business's reputation, revenue, and resilience. Every second of downtime is a lost opportunity and a potential crisis. Data centers are now the backbone of every industry, and the cost of a single outage can ripple across markets and customers worldwide. Keor MOD+ is engineered for this reality. It's not just a power backup system; it's your guarantee of business continuity, operational reliability, and compliance with the most rigorous electrical and safety standards. In a world where "continuity" is the baseline, Keor MOD+ ensures you never fall behind.

Meet Keor MOD+ The ideal solution for continuity

Setting a new standard for flexibility, and reliability.

Keor MOD+ can be scaled up to 1.8 MW with **60 kW** hot-swappable modules in a compact, space-saving 3U form factor.

N+X redundancy, up to **96%** efficiency, and up to **99%** in ECO mode.

Keor MOD+ also maintains **100%** rated performance even at high operating temperatures up to **40°C**, without deration, ensuring uninterrupted capacity in the most demanding data center environments. Li-Ion compatibility and **190+** monitoring parameters make Keor MOD+ ideal solution for critical load.



**HOT-SWAPPABLE
POWER & STATIC MODULES**



**N + X
REDUNDANCY**



**10 INCH
TOUCHSCREEN**

Every millisecond matters

In the age of AI-powered data centers, where workloads shift by the second and demands are unpredictable, power continuity is the difference between business as usual and business at risk. Introducing Keor MOD+ a next generation modular UPS, engineered for data centers & mission critical applications, that can't afford to pause.



**ADVANCED
MONITORING & CONTROL**



**UP TO 96% EFFICIENCY
WITH UNITY POWER
FACTOR AT 40°C**



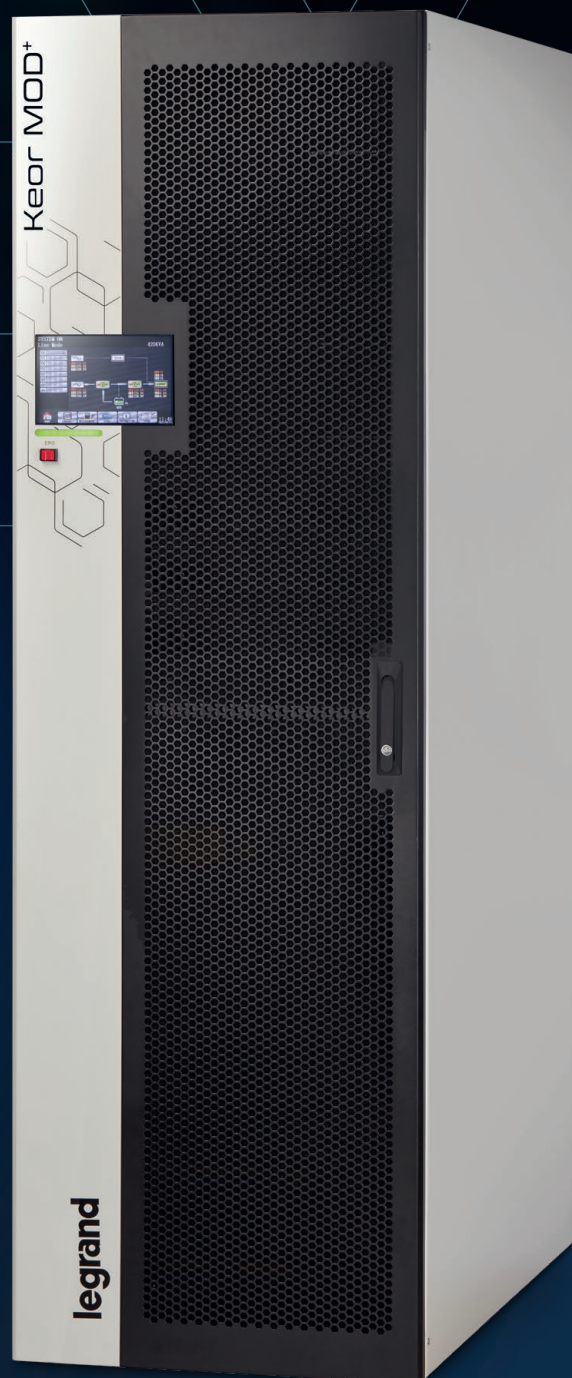
**WIDE COMMUNICATION
OPTIONS**



**< 3%
THDI**



**HIGH POWER DENSITY
60 KW IN COMPACT
3U FORM**



Keor MOD⁺



Engineered for Reliability

In a world where “continuity” is non-negotiable, reliability must be designed, not assumed.

Keor MOD+ is built for maximum uptime, with decentralized controls, true N+X redundancy, and robust electromechanical switches that eliminate single points of failure. Conformal coated PCBs, dual input design, and comprehensive monitoring of critical components and batteries, ensure resilience in the harshest environments. Features like static bypass, backfeed protection, and emergency power off (EPO) deliver operational safety and peace of mind.



**EMERGENCY
POWER OFF**



**BACKFEED
PROTECTION**



**CONFORMAL
COATED PCB**



Modularity & Hot-swappability

Service, scale, or upgrade, without switching to bypass.

The true modular design of Keor MOD+ means every **60 kW** power module, including the static switch module, is hot-swappable and independently controlled. Both power and static modules can be safely replaced or upgraded while the system remains online, ensuring no interruption to your critical load. Maintenance and expansion are now risk-free and seamless; your business never pauses, and your revenue stays protected.



Keor MOD⁺

N + X REDUNDANCY

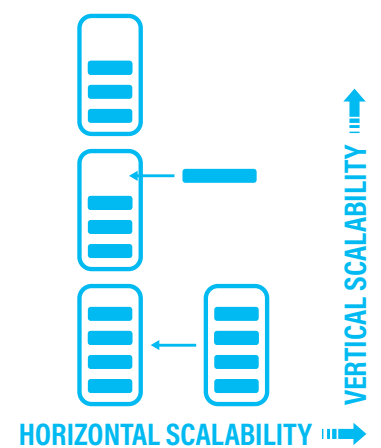


Scalability without disruption

**Scale your power backup as your business grows;
no interruptions, no limits.**

Keor MOD+ is engineered for seamless, pay-as-you-grow scalability. Expand from **60 kW to 1.8 MW** in modular increments, matching your infrastructure to your business needs without overprovisioning or downtime.

Whether you're deploying at the edge or supporting a hybrid cloud, the flexible architecture of Keor MOD+ ensures you're always ready for what's next.





Power density & compact footprint

Every rack unit is revenue. Keor MOD+ helps you make the most of every square foot.

With **60 kW** in just 3U, Keor MOD+ delivers industry-leading power density. Free up space for more servers, batteries, or future expansion. Compared to a legacy UPS, Keor MOD+ can increase your usable rack space, maximize ROI, lower cooling costs, and futureproof your data centers for growth. Its compact footprint is ideal for high-density, edge, and colocation environments where every unit counts.



**HIGH POWER DENSITY
60 KW IN COMPACT
3U FORM**



**ENERGY
SAVINGS**



**UNITY POWER
FACTOR AT 40°C**

Keor MOD⁺

DYNAMIC
PASSWORD

MULTI-LEVEL
AUTHENTICATION

Intelligence & Monitoring

The smartest power is the power you never have to think about.

Keor MOD+ features a **10"** color touchscreen, live synoptic view, and **190+** parameters monitored in real time. Predictive diagnostics, instant alerts, and remote access keep your team ahead of issues, not chasing them. Integrate seamlessly with BMS/DCIM and gain complete visibility of the UPS performance. Monitoring of critical components and batteries enables proactive maintenance for uninterrupted business continuity.



**ADVANCED
MONITORING & CONTROL**



**10-INCH
TOUCHSCREEN**



**CRITICAL COMPONENTS
MONITORING**

Advanced Battery Flexibility

Your UPS should adapt to your battery strategy, not the other way around.

Keor MOD+ can be integrated with both Li-Ion and VRLA batteries, with battery health, cycle life, and status monitored directly from the UPS interface.

Its flexible DC bus and fast three-stage charging enables adaptability and quick recharge. Common battery bank support allows up to two Keor MOD+ systems to share a single battery bank, optimizing space and cost.

Features like temperature compensation, deep discharge protection, and real-time runtime estimation ensure maximum reliability and longevity.



**COMMON BATTERY BANK
MONITORING**



FLEXIBLE DC BUS



**Li-Ion
COMPATIBILITY**



Keor MOD⁺

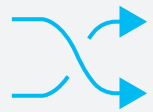
Connectivity & Integration

Data Centers demand seamless communication and control.

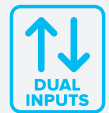
Keor MOD+ is designed for seamless integration into any data center environment. It provides a full suite of connectivity options, including **RS485, RS232, Ethernet, SNMP, USB, dry contacts, and a user-friendly HMI**, so you can easily connect to your preferred monitoring, automation, or management systems. The dual input design and flexible communication slots ensure Keor MOD+ adapts to your infrastructure, whether you're running a single site or a multi-location network. A built-in static bypass ensures uninterrupted power flow during overloads, faults, or maintenance, maintaining uptime while troubleshooting or replacing modules. With robust security protocols and remote diagnostic capabilities, you always have complete visibility and control.



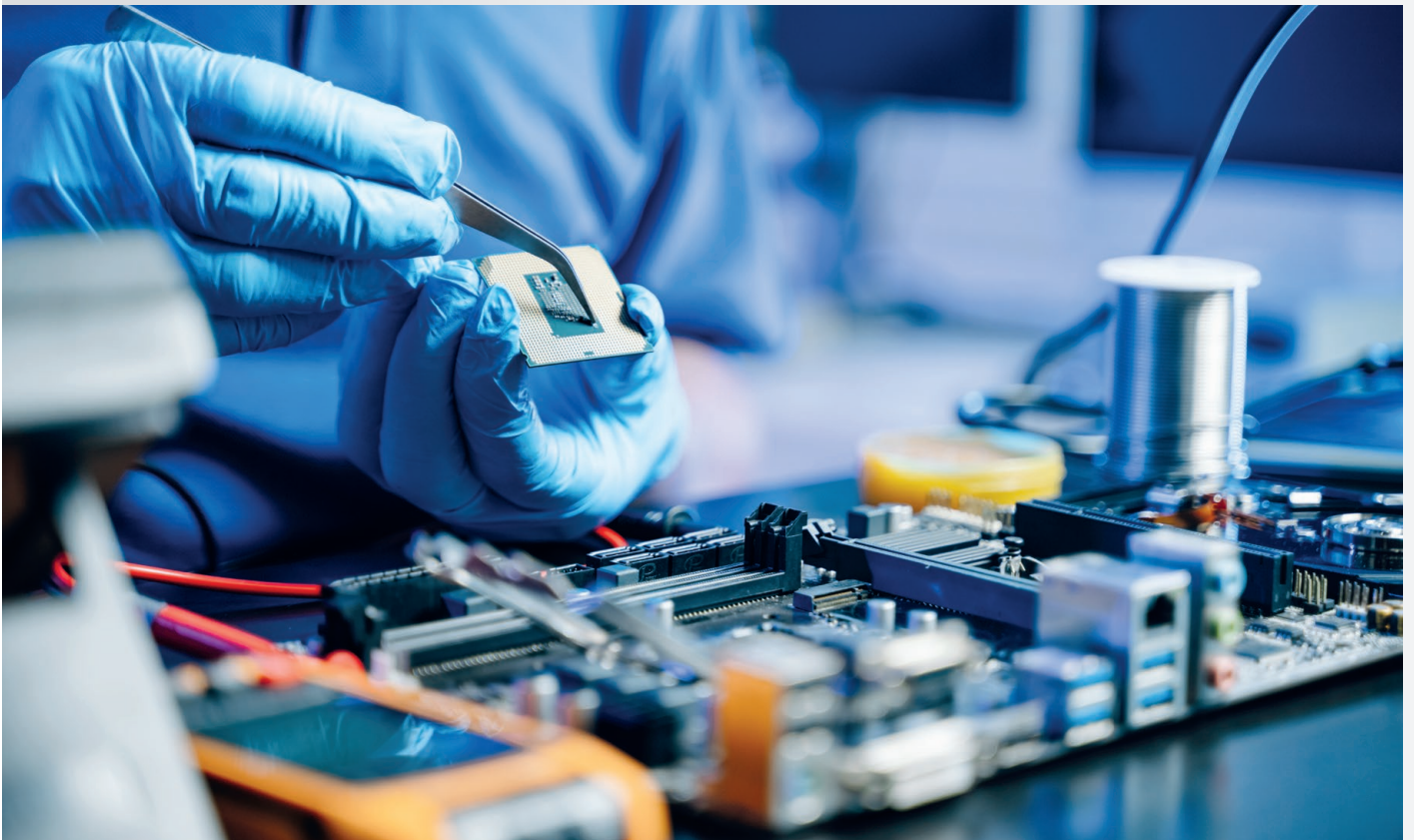
**WIDE COMMUNICATION
OPTIONS**



**BUILT-IN STATIC
BYPASS**



**DUAL
INPUT**



Continuity, Reengineered for Every Critical Environment

Keor MOD+ empowers organizations across industries, from cloud and colocation to healthcare, finance, manufacturing, and beyond, to deliver seamless, uninterrupted operations. Engineered for straightforward deployment in any data center or mission-critical setting, Keor MOD+ adapts effortlessly to your infrastructure. With industry-leading modularity, robust connectivity, and dual input design, integrating with your existing systems, BMS, DCIM, or otherwise, is simple and secure. Wherever business moves next, Keor MOD+ delivers trusted continuity, uncompromising reliability, and the operational agility your future demands.





UPS Components				
Item	Description	Power (kVA=kW)	Dimensions W x D x H (mm)	Net weigh (kg)
3 114 12	Keor MOD+ Empty Cabinet 420	up to 420	600 x 1100 x 2010	310
3 114 13	Keor MOD+ Empty Cabinet 600	up to 600	1000 x 1065 x 2000	488
3 114 14	Keor MOD+ Empty Cabinet 600 full distribution	up to 600	1000 x 1065 x 2000	520

Accessories	
3 114 10	Keor MOD+ Power Module 60kW
3 114 17	Load Bus Synk cable 5mt (LBS)
3 114 16	BMS Card Vision Li-Ion
Included	Parallel card with 5 meters cable
Included	Loadbus Sync card
Included	Extra Communication Slot (additional SNMP Slot, Dry contact I/P & O/P signals and temperature sensors ports)

Characteristics

Keor MOD+ 420 kW



Keor MOD+ 600 kW



Characteristics

General specifications		3 114 12	3 114 13
Nominal power (kVA)		420	600
Active power (kW)		420	600
Classification		True Online Double Conversion, VFI - SS - 11	
Module power (kW)		60	60
Module Max Number (kW)		7	10
System		Three Phase Modular UPS, scalable and redundant	
Input specifications			
Input voltage		380/400/415 VAC	
Input voltage range		240~480 VAC < 50% load; 320~480 VAC for rated load	
Input frequency [Hz]		50 / 60 with tolerance from 40 to 70 Hz	
Input phases		3 phase + N + G	
THD input current		< 3%	
Input power factor		>/= 0.99	
Output specifications			
Topology		DSP based 3 level IGBT inverter	
Output Power Factor @ 40°C		1	
Output Phases		3Ph + N + G	
Nominal Output Voltage		380/400/415V ± 1%	
Output Frequency [Hz]		50/60	
THD output voltage		<1.5% for linear load, < 4% for non-linear load	
Overall Efficiency AC ~ AC		Up to 96%	
Efficiency in Eco Mode		Up to 99%	
Overload capacity		≤110% @ 60min, 111% to 125% @ 10min, 126% to150% @ 1min	
Crest Factor		3:1	
Bypass		Static bypass module & Inbuilt maintenance bypass switch	
Batteries			
Battery module		VRLA & Li-ion	
Operating DC Voltage		408 VDC~504 VDC	
Battery charger		3 Stage advanced charging	
Communication and management			
Display		10" Touch screen multicolor	
Cabinet Status Bar		Multicolor LED - Red, Yellow, Green	
Power Module LED Indicator		Independent LEDs	
Communication ports		SNMP, Modbus, RS 485, RS 232, RJ 45, PFC's for input & output	
Cold Start		Available	
Paralleling Capability		Available	
Emergency Power Off (EPO)		Yes	
Backfeed Protection		Yes	
Mechanical characteristics			
Frame Net weight (Kg) Including Switches*		647	969
Frame Dimensions (W x D x H) (mm) Including Isolator		600 x 1100 x 2010	1000 x 1065 x 2000
Power Module Dimensions (W x D x H) (mm)		438 X 750 X 130 / 3U	
Net Weight of Power Module		44 kg	
Protection Index (IP)		IP20	
Cable Entry		Bottom rear	Bottom rear, Top
Ambient conditions			
Operating Temperature [°C]		0 - 40	
Operating Humidity		0% - 95% non-condensing	
Operating Altitude		up to 1000 m above sea level (derating applies above)	
Storage Temperature [°C]		-15 to 50	
Maximum Noise Audible at 1m [dBA]		75	
Conformity and standards			
Safety		IEC 62040-1	
Electromagnetic Compatibility and Immunity (EMC)		IEC 62040-2	
Performances and Testing Rules		IEC 62040-3	
Environmental		PEP	
Declarations		Rohs / REACH	

NOTE: Specifications are subject to change due to continuous improvement

* Default Output & Manual Bypass Switch

CUSTOMER SERVICES



Reliable

Directly present in more than 70 countries and servicing its products in more than 150 countries worldwide, a team of qualified engineers is available to support your UPS system to ensure power quality and availability to the most critical loads.

Excellent

Legrand's competitive edge lies in its ability to provide high value-added UPS systems and services for both end users and business partners.

For Legrand, creating value means coming up with solutions for lower energy consumption, but also integrating product design into the overall development process. With around 200 000 catalogue items, the Group also provides all products required for electrical and digital building installations, particularly as integrated systems, finding solutions to fit everyone's needs.

Tailor-made

Legrand offers a complete range of specific solutions and services to meet customer requirements:

- Technical pre-sales support at the project design stage
- Factory acceptance test
- Supervision of installation, testing and commissioning, site acceptance test
- Operator training
- Site audit
- Warranty extension
- Annual maintenance contract
- Fast intervention on emergency call

SUPPORT



SITE INSPECTION, INSTALLATION SUPERVISION.

We perform a comprehensive check of the UPS environment to ensure safety and fault-free operation.

Our technical experts give manufacturer's recommendations to the site engineer or electrical contractors, and supervise the UPS installation before load power-up.

SITE TEST, FACTORY TEST, COMMISSIONING

Our Service Engineers conduct rigorous site tests and full setting-up of the UPS system before going live. They also perform Site Acceptance Test (SAT) and Factory Acceptance Test (FAT) according to your requirements. Commissioning operations for all UPS are carried out by qualified engineers to guarantee seamless start-up. After the final handing over of the UPS system, a Test and Commissioning report is delivered to you.

TRAINING



We offer on-site training to ensure your equipment's safe and efficient operation.

Troubleshooting courses are also available in our plants for intensive hands-on practice on UPS training equipment.

MAINTENANCE



PREVENTIVE MAINTENANCE

Electronic equipment and power systems, such as UPS, contain life-limited components and parts that must be replaced according to the manufacturer's specifications.

To ensure optimal performance and to protect your critical application from potential downtime, it is crucial to perform

preventive maintenance operations on a regular basis and replace parts when needed. Our Service Contracts include cleaning, IR thermography, measurements, functional tests, event log and power quality analysis, battery health check, hardware and software upgrades, and technical reports.

A Preventive Maintenance Plan is one of the most cost-effective actions that can preserve your initial investment and ensure your business continuity.

CORRECTIVE MAINTENANCE, EMERGENCY CALL

In the event of an Emergency Call, our worldwide service network, with engineers and spare-parts stocks strategically located as close as possible to your site, guarantees a fast intervention time with 24/7/365 assistance.

After connecting his laptop to your UPS, very powerful diagnostic software helps our engineer to identify the fault, thus ensuring short MTTR (Mean Time To Repair).

Corrective actions are performed such as part replacement, adjustments and upgrades to return the UPS system back to normal operation.

NOTES

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