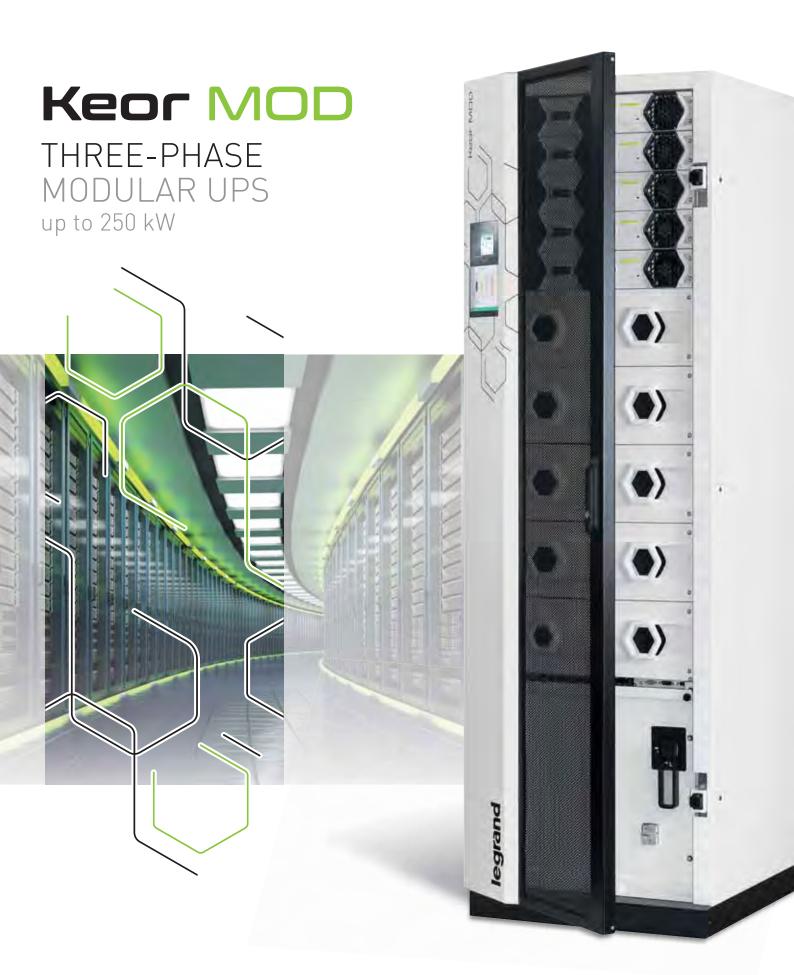
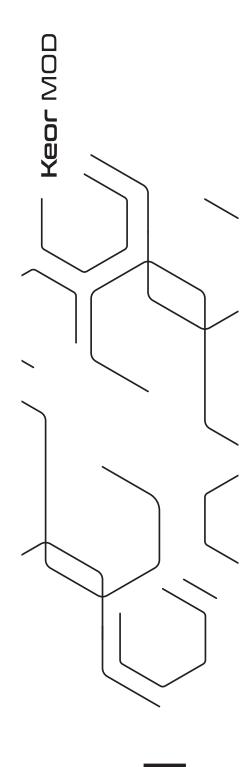


Legrand Keor MOD - брошюра на продукцию. Юниджет

Постоянная ссылка на страницу: https://www.uni-jet.com/catalog/ibp/on-line-ibp/legrand-keor-mod/







legrand



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Keor Mod

MORE THAN AUPS

Legrand presents the new **Keor MOD**, the latest addition to the UPS family that redefines the concept of modularity.

Design with unrivalled futuristic style and features.

Outstandingly flexible architecture for all installations and applications.

State-of-the-art technology to achieve the highest levels of efficiency.





TECHNOLOGY AND DESIGN

STYLISH

REVOLUTIONARY

The elegance of the design and the skilful choice of materials have joined forces to create a modern and cutting-edge machine, a UPS with a highly emotional DNA boasting market-leading performance.

All the elements comprising the system have been designed to ensure maximum reliability and performance, without forsaking its ease of installation and maintenance. The use of light colours and highly reflective surfaces contribute to reducing environmental lighting in technical rooms (DATA CENTRES), and reduce consumptions in line with a GREEN approach.

POWERFUL

The **Keor MOD** power module is the smallest 25 kW three-phase module available on the market; its high power density (1136 W/dm³) makes it possible to achieve configurations of 125 kW with 5.2 minutes of autonomy (internal batteries) or 250 kW in less than 1m² of space on the ground with the door open.

PERFORMING

Double conversion efficiency up to 96.8%

(from 20% to 50% of the load)

Efficiency in ECO mode up to 99%.

Output power factor = 1

Hot-swappable modules.

Modular redundancy in N+1 configuration.

Intelligence distributed between modules.

UPS system capacity up to 600 kW.

Decentralised by-pass.

Reduced battery charging times.

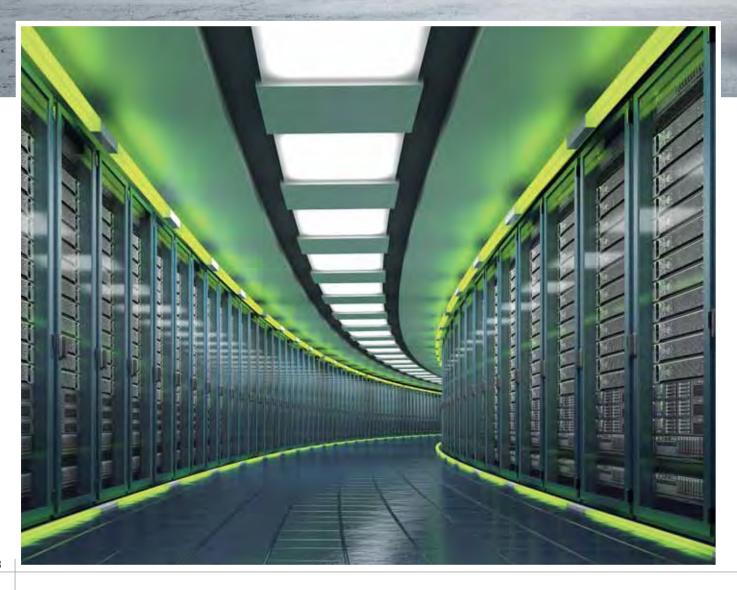
Keor Mod

IDEAL FOR IT INFRASTRUCTURES

Keor MOD is the ideal solution for all critical computer applications such as DATA CENTERS; its structure allows us to respond to customer demands in terms of continuous evolution of the IT infrastructure.

The range includes just two cabinet configurations:

- up to 5 power modules with internal batteries (25 125 kW)
- up to 10 power modules (25 250 kW).



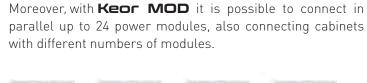




PARALLEL SYSTEM (Up to 600 kW without batteries)

Each unit can be connected in parallel to identical or different units until the desired power and/or redundancy levels are reached.

For instance, it is possible to connect up to 4 x 125 kW units with internal batteries in parallel, obtaining a total system power of 500 kW (N+1 redundancy equal to 475 kW in any failure situation).







A COLLABORATION OF



TECHNOLOGY

⊕ www.ups.Legrand.com



25 kW power module in just 2 units

Extensive research and use of latest generation components is behind the development of this three-phase power module with top performance levels in its category, minimising footprints and weights.

With a capacity of 25 kW and a footprint of just 2 rack units, the **Keor Mod** power module ensures maximum performance in exceptionally small spaces.

The **Keor MOD** power module is equipped with "System On Chip" type control technology which, unlike the conventional version (DSP based), contains a dual Core ARM A9 processor, a high performance FPGA and a set of advanced devices within one single component. This technological choice provides an impressive range of advantages

The power module houses the following components: input PFC, three-level inverter, integrated and independent control logic, battery charger, static and electromechanical by-pass.

in terms of processing power, speed and versatility.

Structured Energy Flow

Unique in its kind, **Keor MOD** introduces the new *Structured Energy Flow* system, effectively eliminating all the connection cables inside the power module.

The connections between the various power sections are achieved by the structure that physically connects them.

This results in an exceptionally high level of reliability.

EXCLUSIVE FEATURES

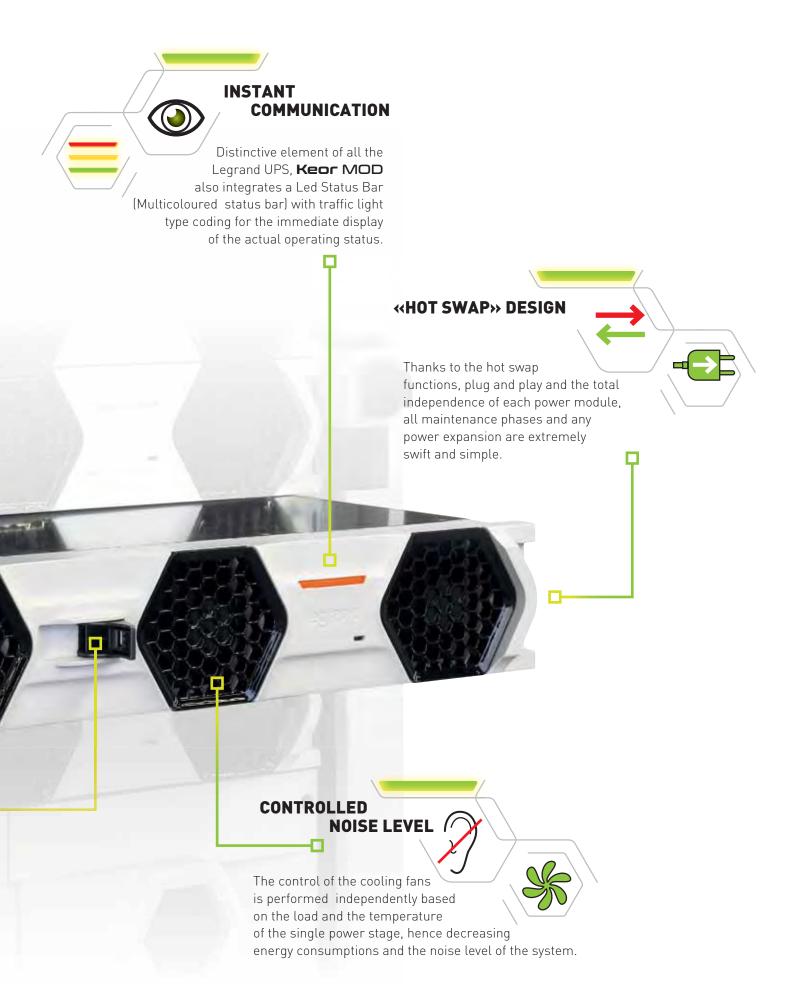


MAXIMUM MANOEUVRABILITY

The power module, is extremely compact and integrates two ergonomic handles to facilitate extraction and insertion of the module. Its light weight means it can also be handled by a single person.

ELECTRICAL AND MECHANICAL SAFETY

A simple and practical "SWITCH" on the front provides the connection and the disconnection both mechanical and electrical, which prevents any incorrect or involuntary removals.







INTERNAL BATTERIES UP TO 125 KW

Safe extraction

The battery drawers can be easily extracted using the handle on the front.

The mechanical anti-extraction stop prevents complete extraction of the drawer, preventing accidental falling and allowing operators to work in complete safety.





Light and dividable

The batteries inside the drawer are divided into 4 blocks, each with 6 batteries; this reduces weight (<16 kg each) and avoids direct contacts with dangerous voltages during maintenance phases.

Ease of handling

Each 6-battery block can easily be removed using the integrated handle.

The replacement of individual sections requires very little time and guarantees swift maintenance operations.

EXCLUSIVE TOUCH SCREEN DISPLAY

Rotating, unique functionality

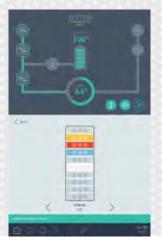
The 10" touch screen display provides a simplified control panel packed with information, alerts and settings and is also equipped with interactive icons to make navigation and selection of the functions to be controlled quick and simple.

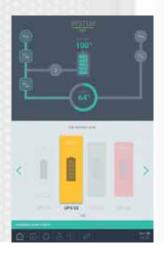
The possibility of being able to rotate the Display inwards by 180° simplifies and speeds up the configuration and maintenance phases.



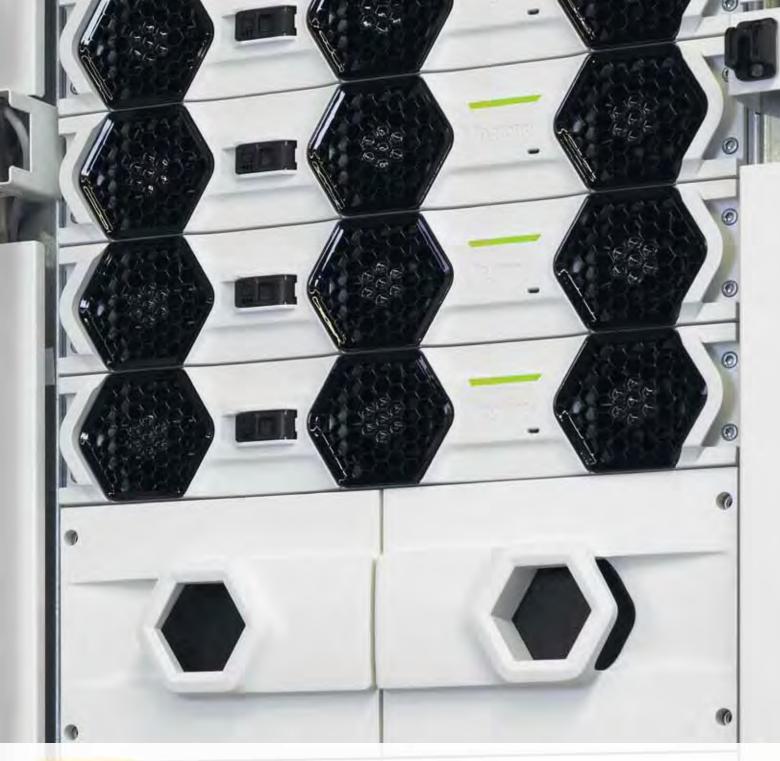
10 inches with innovative graphics

The display is positioned vertically so you have both the operating block diagram and the UPS layout with all the available information on the same screen.









Intuitive and user friendly

All the display icons, including the operating panel, are interactive so as to facilitate navigation and the setting of customisable functions.

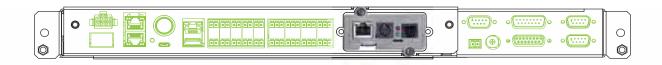








COMPLETE ON BOARD COMMUNICATION



FRONT COMMUNICATION MODULE

The communication module is positioned on the front, is easily accessible and boasts a wide selection of communication interfaces.

- "Cold Start" push-button
- system communication ports
- RS485 port
- RS485 port for external accessories
- logical gate
- communication interface slot
- USB host port
- 11 floating contact inputs
- 8 floating contact outputs





Eliot is the Legrand program dedicated to connected objects (Internet of things) which identifies all those products or systems which, because they can connect to the internet, give added value in terms of functionality, information, interactions with the environment and use.

UPS Modular three-phase double conversion VFI



3 104 80

Articles UPS - empty power cabinets

	C. C. Simply power capillote							
	Power (kW)	Installable battery drawers	Distribution	Weight (kg)				
3 104 80	25 - 125	from 2 to 10 battery drawers	3-3	256				
3 104 81	25 - 250	-	3-3	233				

Accessories

Description

3 106 75 25 kW power module

3 106 76 Empty battery blocks kit for 6 batteries (to be used in sets of 4 per drawer)

3 106 77 Kit of 2 EMPTY battery drawers

3 106 78 Kit of 4 battery blocks (6 x 9 Ah batteries)

3 106 79 Kit of 4 battery blocks (6 x 11 Ah batteries)

3 109 62 Kit of 4 battery blocks (6 x 9Ah Long Life batteries)

Configuration examples

UPS up to 125A

25

Power: 25 kW

Back-up time: 48 min. when 100% charged 1 Power module

10 Battery drawers

UPS up to 250A

50

Power: 50 kW 2 Power modules





75

Power: 75 kW

Autonomy: 11 min. when 100% charged 3 Power modules

10 Battery drawers

100

Power: 100 kW 4 Power modules





125

Power: 125 kW

Autonomy: 5.2 min. when 100% charged 5 Power modules

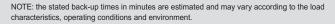
5 Power modules10 Battery drawers



250

Power: 250 kW 10 Power modules





Codes in red new products.



UPS Modular three-phase double conversion VFI

eneral specifications											
Nominal power (kVA)	25	50	75	100	125	150	175	200	225	250	
Active power (kW)	25	50	75	100	125	150	175	200	225	250	
Module power (kW)			1		2	5		1	'		
Classification				On-Line	double con	version VF	I-SS-111				
No. Power modules	1	2	3	4	5	6	7	8	9	10	
System			M	odular, expa	andable and	d redundan	t UPS syst	em			
put specifications											
Input voltage		400V 3F+N+PE									
Input frequency	45-65 Hz (43.0 ÷ 68.4 Hz)										
Input voltage range	400V +15%/-20% - 230V +15%/-20%										
THD input current				-	< 3% (at						
Compatibility with power supply units					Ye						
Input power factor					> 0	.99					
utput Specifications					000 10	0 445)4					
Output voltage					380, 40	-					
Efficiency (power module)					Up to						
System efficiency					Up to						
Efficiency in Eco mode			E0/60 LI= 0	ala atabla bi	99			/ /outondos	1/		
Nominal output frequency 50/60 Hz selectable by the user ±2 % (standard), ±14 % (external content of the conten							o (exterided	1)			
Crest factor Waveform					Sinus						
		±1									
Output voltage tolerance Co.5% with lines							n-linear lo	ad			
Overload capacity					es at 125%,			au			
Bypass		Automa	tic hynass	(static and				naintenance	hvnass		
atteries		7 tatorric	по вуразо	(Statio and	SICOLI OTTICOI	iarrioar) arri	a manaar n	namenano	з Бурцоо		
Battery module					Plug 8	R play					
Battery series type/voltage	<u> </u>										
Autonomy											
Battery charger	er Smart charge technology. 3-stage advanced cycle						ycle				
Independent battery configuration	on Yes, maximum 5 sets of independent batteries (configurable as common of						mmon or se	parate units	s)		
ommunication and management											
Display	ay 10-inch rotating colour touch screen										
Communication ports	2 x RS485 ports (one for external accessories), 11 input floating contacts,8 output floating contacts, 1 interface slot, USB host port										
Back feed protection	ion NC/NO auxiliary contact										
Emergency Power Off (EPO)					Ye	es					
Cold start push-button					Ye	es					
Remote management					Avail	able					
echanical characteristics											
Height (mm)	1990										
Width (mm)	600										
Depth (mm)					10	00					
Installable power modules			Up to 5					Up to 10			
Installable battery drawers			Up to 10								
Net weight kg			256					233			
<u> </u>											
mbient Conditions			0 - 40°C / 0 - 95% non condensing								
<u> </u>				0 - 40		IP20					
mbient Conditions				0 - 40	IP:	20					
Operating temperature/humidity Protection rating Maximum audible noise at 1 m from				0 - 40		20 dBA					
Operating temperature/humidity Protection rating Maximum audible noise at 1 m from the unit (dBA)				0 - 40							
Operating temperature/humidity Protection rating Maximum audible noise at 1 m from the unit (dBA)					< 80	dBA	62040-2				
Operating temperature/humidity Protection rating Maximum audible noise at 1 m from the unit (dBA) Conformity Certifications						dBA	62040-3				
Operating temperature/humidity Protection rating Maximum audible noise at 1 m from the unit (dBA) Conformity Certifications Protection rating Certifications			Modular am	EN 6204	< 80 40-1, EN 62	dBA 040-2, EN		and hatteric			
Operating temperature/humidity Protection rating Maximum audible noise at 1 m from the unit (dBA) onformity					< 80 40-1, EN 62 ith "plug & _I	dBA 040-2, EN olay" power	modules a		28		

CUSTOMER CARE SERVICES



RELIABLE

We are physically present in over 70 countries, which means we are able to intervene and provide support in over 150 countries worldwide. A team of qualified technicians is at your service to provide support and guarantee the correct functioning of your UPS; this aims to ensure high quality power and availability of energy even at the most critical loads.

EXCELLENCE

Legrand's competitive advantage lies in its capacity to provide high added value UPS and services for end users and business partners alike. Legrand's vision sees the creation of value as finding low energy consumption solutions, but also integration of solutions in the process of global development. With a catalogue of over 200,000 articles, the Group supplies all the products necessary for the realisation of electrical and digital systems, in particular integrated systems, aimed at finding solutions to meet everyone's needs.

TAILOR-MADE

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

- Pre-sale technical support during the design phase
- Final factory inspection and testing
- Supervision during installation, final testing and commissioning.
 On-site acceptance tests
- Training for operators
- On-site audits
- Extended warranties
- Annual maintenance contract
- Swift intervention in case of emergency calls





SUPPORT

Site inspection, installation supervision

We conduct a complete inspection of the environment in which the UPS will be installed to ensure its safety and failure free operation. Our technicians provide recommendations for the technical office or the electrical installer, and supervise the installation of the UPS before commissioning.

On-site tests, commissioning

Our technicians conduct thorough on-site tests and complete configuration of the UPS before commissioning. They also perform final inspection and testing operations according to your needs. The UPS commissioning operations are performed by our qualified engineers, to quarantee maximum functionality and the elimination of any problems after start-up.



TRAINING

We provide on-site training to guarantee safe use and efficient operation of your UPS.

Maintenance courses are also held at our training centre with equipment available for practical sessions.



MAINTENANCE

Preventive maintenance

Electronic equipment and electrical systems, like UPS devices, contain components and parts with a limited service life that must be periodically replaced according to the manufacturer's specifications; these replacement times are influenced by many factors, such as the ambient temperature, the nature of the load etc. To guarantee optimal performance and to protect your critical applications, as far as possible, from potential downtimes, it is essential to perform regular preventive maintenance and replace worn parts whenever necessary.

Our servicing contracts include cleaning, IR thermography, measuring, functional testing, event logs and power quality analysis, battery life checks, hardware and software updates and technical reports. A preventive maintenance plan is one of the most convenient ways to preserve your investment and ensure the continuity of your business operations.

Corrective maintenance, emergency intervention

Thanks to the use of state-of-the-art equipment, custom made servicing software and regular training courses, our technicians are able to minimise analysis times and quarantee a short MTTR (Mean Time To Repair). The malfunctioning parts will be replaced, and corrective actions, adjustments and updates will be performed to swiftly return the UPS to its normal operational status.





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In accordance with its policy of continuous improvement, the Company reserves the right to change specifications and designs without notice. All illustrations, descriptions, dimensions and weights in this catalogue are given as a guide only.