

NUMERIC[®]

A Group brand | **legrand[®]**

KEOR HP

3 PHASE
UPS
from 100 to 800 kVA



**NEW ENERGY
TO POWER**



POWER PARTNER

IN BUSINESS CONTINUITY

- Over three decades of leadership
- Among top 3 UPS companies in India
- Active installation base of 1 million+ UPS systems*
- Largest pan-India service network
- 5 world-class manufacturing units

WHO WE ARE

We are the trusted, reliable power partner for mission critical applications across segments like IT, Healthcare, Banking, Telecom, Industries, Government, Retail, Research and Education to name a few. We help businesses optimize their productivity by providing seamless and clean power solutions with controlled environmental footprints. We provide complete peace of mind with five world-class manufacturing units and the largest pan-India sales and service network.

Being part of the Legrand Group since 2012, has given us the advantage of a truly GLOCAL company - global technological

expertise and strong local market insights. We are the single largest source for a wide range of power conditioning solutions built with the latest technology, one that is being constantly upgraded with technological advances to meet current market needs. Keeping our UPS' humming and your mission critical applications running is the largest and widest pan-India service network of 250+ direct service centres, five manufacturing units in Chennai and Sinnar that have been certified for meeting ISO 9001:2015, ISO 14001:2015 and SA 8000:2008 OHSAS 18001:2007 standards and over 900 factory trained service professionals on the field.

*over one decade.



KEOR HP

THE **UPS** WITH POWER
UP TO **800 kVA**



KEOR HP

POWER UPS

The 3 phase UPS range is available in three types of cabinets with total power rating up to 4.8 MVA



legrand

KEOR HP
100-125-160

Compact size with the best balance between footprint and power.

EASY installation and maintenance

Scalable up to 4.8 MVA

Output power factor 0.9

Integrated transformer for the galvanic separation between AC/DC side

UPS rectifier is designed to operate in mains even during the main inputs phase reversal & avoid discharge of batteries, which increases life cycle of the batteries.



**KEOR HP
200-250-300**



**KEOR HP
400-500-600-800**

KEOR HP

FLEXIBLE SOLUTIONS

EASY INSTALLATION AND MAINTENANCE

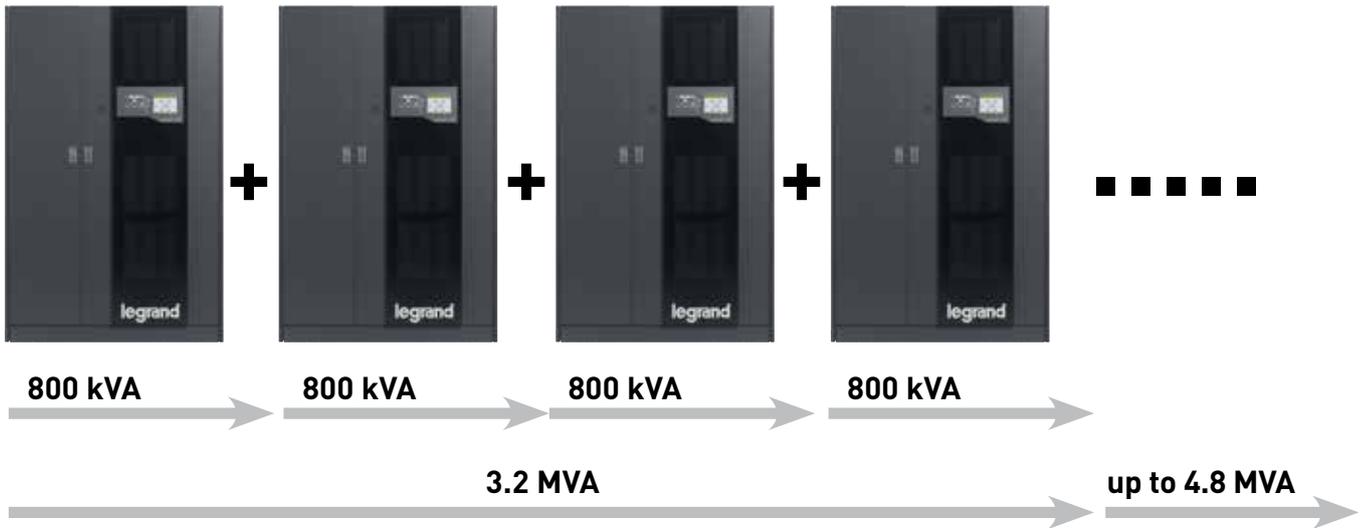
The optimised cooling system enables to position the UPS against the wall and side by side with other equipment without affecting performance. Full front access permits easy installation and fast maintenance operation.



PARALLELEABLE UP TO 6 UNITS

TO INCREASE THE POWER

Depending on the power demand, it is possible to connect in parallel operation up to 6 units of the same power rating. This allows delivery of total power up to 4.8 MVA.



TO INCREASE THE SERVICE CONTINUITY

The parallel connections between the UPS enables to realize different levels of redundancy and obtain the maximum continuity of service.



KEOR HP

WHEN POWER
TAKES CARE OF **THE**
ENVIRONMENT





HIGH EFFICIENCY UP TO 94%

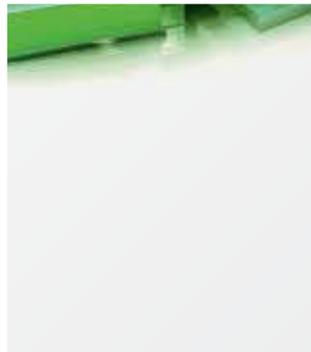
Replacing an existing UPS with the KEOR HP allows immediate power savings for the same operational load.



HIGH TECHNOLOGY (IGBT RECTIFIER)

Thanks to the input circuit with integrated PFC (IGBT rectifier technology), the harmonic distortion on the input line is significantly reduced (THDi<3%). The input power factor is almost unity (> 0.99).

These features makes it highly compatible with the system upstream of the UPS without requiring additional filtering or over sizing.



LOW ENVIRONMENTAL IMPACT 30% less CO² emission

The innovative technology of KEOR HP allows:

- high performance
- reduction in power and cooling consumption
- minimum footprint
- minimum cost of infrastructure and management.

KEOR HP 100-125-160-200-250-300

Conventional UPS - 3 Phase On-line double conversion VFI



KEOR HP 100



KEOR HP 200

Pack	Cat.Nos.	UPS (without batteries)		
		Nominal power kVA	Weight (kg)	Dimensions W x D x H (mm)
1	7206 601	100 kVA	625	815 x 825 x 1670
1	7206 602	125 kVA	660	815 x 825 x 1670
1	7206 603	160 kVA	715	815 x 825 x 1670
1	7208 604	200 kVA	970	1220 x 870 x 1905
1	7208 605	250 kVA	1090	1220 x 870 x 1905
1	7208 606	300 kVA	1170	1220 x 870 x 1905

Note: General Tolerance ± 2 mm

Empty battery cabinet for estimated backup time of approx 15 mins				
		Nominal power kVA	Dimensions W x D x H (mm)	
2	7218 821	100 kVA	1150 x 425 x 1900	
2	7218 822	125 kVA	1180 x 460 x 1900	
2	7218 823	160 kVA	1240 x 575 x 1900	
4	7218 821	200 kVA	1150 x 425 x 1900	
4	7218 822	250 kVA	1180 x 460 x 1900	
4	7218 823	300 kVA	1240 x 575 x 1900	

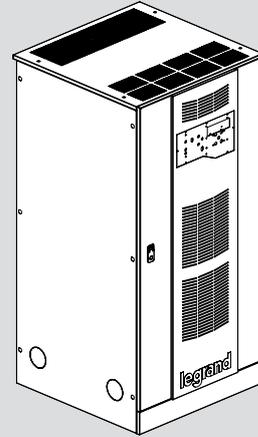
Note: General Tolerance ± 2 mm

Communication accessories				
		Description		
1	7218 631	CS 141 SK Professional (SNMP only)		
1	7218 632	CS 141 B SK Standard (SNMP with sensor)		
1	7218 633	CS 141 M SK Industrial (SNMP with MODBUS)		

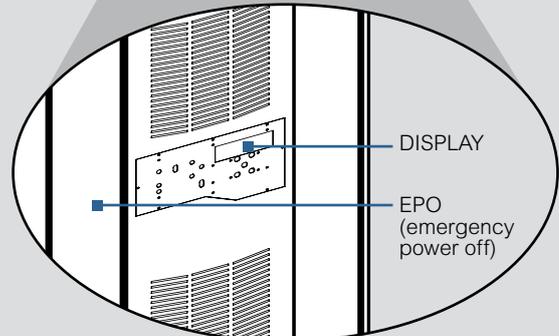
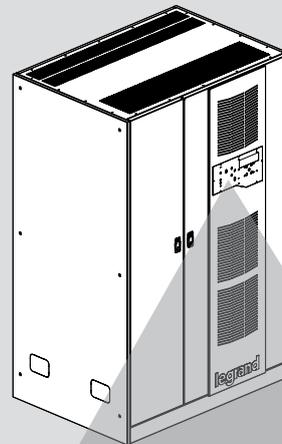
Options

- Description
- Battery switch box with protection / fuses
- Battery monitoring system
- Bypass isolation transformer
- Top entry cable cabinet
- Remote alarm panel

KEOR HP 100-125-160



KEOR HP 200-250-300



KEOR HP 100-125-160-200-250-300

Conventional UPS - 3 Phase On-line double conversion VFI

Characteristics

General characteristics						
Nominal power (kVA)	100	125	160	200	250	300
Active power (kW)	90	112.5	144	180	225	270
Technology	On-line double conversion VFI-SS-111					
Waveform	Sinusoidal					
Architecture	Conventional UPS, parallelable up to 6 units					
Input characteristics						
Input voltage	380-415 V 3Ph+N					
Input frequency	50-60 Hz ± 10% autosensing					
Input voltage range	400 V -20% / + 15%					
THD of input current	< 3%					
Input power factor	> 0.99					
Output characteristics						
Output voltage	380, 400, 415 V 3Ph+N selected					
Efficiency	up to 94%					
Output frequency (nominal)	50 /60 Hz selected ± 0.001%					
Crest factor	3:1					
THD of output voltage	<5% (with non-linear load)					
Output voltage tolerance	± 1% (with balance load)					
Overload capacity	10 minutes at 125%, 60 seconds at 150%, 10 seconds at 200%					
Efficiency in Eco mode	98%					
Bypass	Built-in Automatic and Maintenance By-pass					
Batteries						
Backup time extension	Scalable with additional battery cabinets					
Battery type	VRLA - AGM Maintenance-free Lead Acid Batteries					
Battery test	Automatic or manual					
Communication and management						
LCD display	Four LED's to show status at a glance. Four menu-driven interface buttons. Four status at a glance LEDs					
Communication ports	RS232 and USB serial ports (Optional RS485)					
Audible alarm	Acoustic alarms and warnings configurable delays					
Configuration setting	Auto configuration by firmware, or manual by service engineer					
Net interface slot	Built-in dry contact PCB, optional SNMP card					
Emergency Power Off (EPO)	Yes					
Remote management	Available					
Battery temperature probe	Yes					
Physical characteristics						
Dimensions W x D x H (mm)	815 x 825 x 1670			1220 x 870 x 1905		
Net Weight (kg)	625	660	715	970	1090	1170
Ambient conditions						
Operating temperature (°C)	0÷40			0÷40		
Relative humidity (%)	< 95% not condensing			< 95% not condensing		
Protection index	IP20			IP20		
Noise at 1 m (dBA)	< 60			< 62		
Certifications						
Complies to	EN 62040-1, EN 62040-2, EN 62040-3					
Reference product standards	CE					

Note: As standard specifications are subject to change due to continuous development. Please ask for confirmation given in this publication.
General Tolerance ± 2 mm

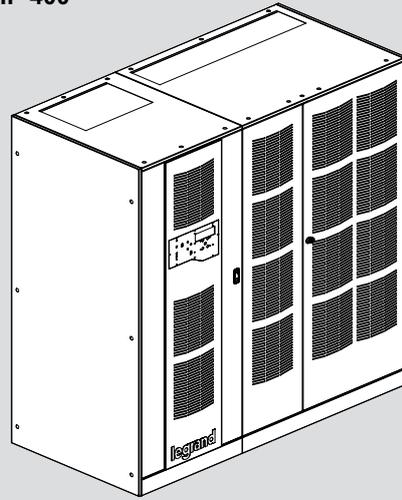
KEOR HP 400-500-600-800

Conventional UPS - 3 Phase On-line double conversion VFI



KEOR HP 400

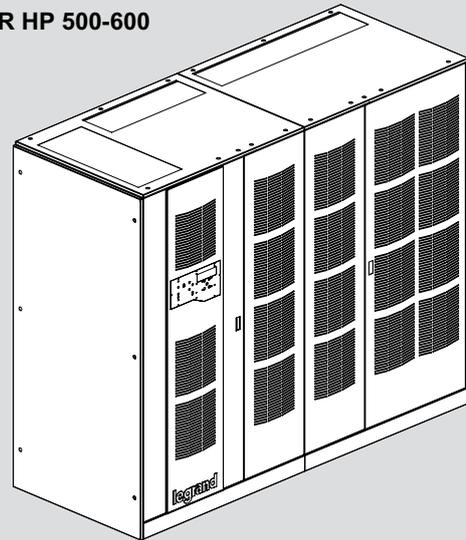
KEOR HP 400



Pack	Cat.Nos.	UPS (without batteries)		
		Nominal power kVA	Weight (kg)	Dimensions W X D X H (mm)
1	7208 607	400 kVA	1820	1990 X 965 X 1920
1	7208 608	500 kVA	2220	2440 x 950 x 2020
1	7208 609	600 kVA	2400	2440 x 950 x 2020
1	7208 610	800 kVA	3600	3640 x 950 x 1920

Note: General Tolerance ± 2 mm

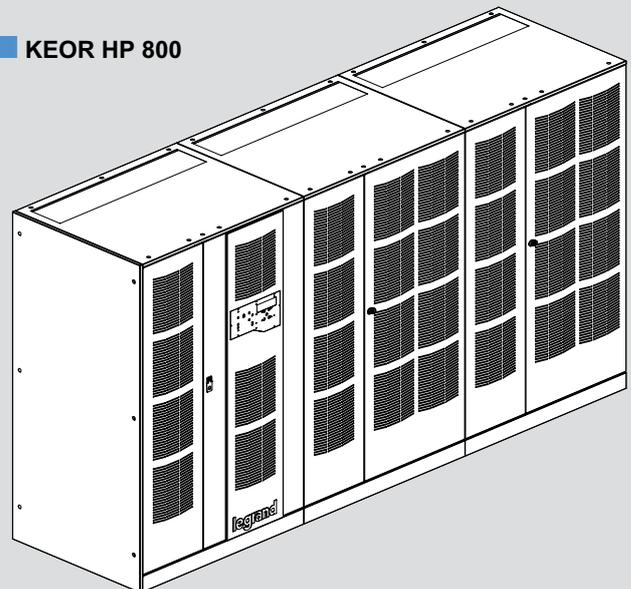
KEOR HP 500-600



		Empty battery cabinet for estimated backup time of approx 15 mins	
		Nominal power kVA	Dimensions W x D x H (mm)
4	7218 824	400 kVA	1375 x 575 x 1900
6	7218 825	500 kVA	1340 x 460 x 1900
6	7218 823	600 kVA	1375 x 575 x 1900
8	7218 824	800 kVA	1375 x 575 x 1900

Note : Battery disconnecter will be external & not part of battery cabinet
dimension offered
General Tolerance ± 2 mm

KEOR HP 800



		Communication accessories	
		Description	
1	7218 631	CS 141 SK Professional (SNMP only)	
1	7218 632	CS 141 B SK Standard (SNMP with sensor)	
1	7218 633	CS 141 M SK Industrial (SNMP with MODBUS)	

Options

- Description
- Battery switch box with protection / fuses
- Battery monitoring system
- Bypass isolation transformer
- Top entry cable cabinet
- Remote alarm panel

KEOR HP 400-500-600-800

Conventional UPS - 3 Phase On-line double conversion VFI

Characteristics

General characteristics	400	500	600	800
Nominal power (kVA)	400	500	600	800
Active power (kW)	360	450	540	720
Technology	On-line double conversion VFI-SS-111			
Waveform	Sinusoidal			
Architecture	Conventional UPS, parallelable up to 6 units			
Input characteristics				
Input voltage	380-415 V 3Ph+N			
Input frequency	50-60 Hz ± 10% autosensing			
Input voltage range	400 V -20% / + 15%			
THD of input current	<3%			
Input power factor	>0.99			
Output characteristics				
Output voltage	380, 400, 415 V 3Ph+N selected			
Efficiency	up to 94%			
Output frequency (nominal)	50 /60 Hz selected ± 0,001%			
Crest factor	3:1			
THD of output voltage	<5% (with non-linear load)			
Output voltage tolerance	± 1% (with balance load)			
Overload capacity	10 minutes at 125%, 60 seconds at 150%, 10 seconds at 200%			
Efficiency in Eco mode	>98%			
Bypass	Built-in Automatic (Optional Maintenance Bypass)			
Batteries				
Backup time extension	Scalable with additional battery cabinets			
Battery type	VRLA - AGM Maintenance-free Lead Acid Batteries			
Battery test	Automatic or manual			
Communication and management				
LCD display	Four LED's to show status at a glance. Four menu-driven interface buttons. Four status at a glance LEDs			
Communication ports	RS232 and USB serial ports (Optional RS485)			
Audible alarm	Acoustic alarms and warnings, configurable delays			
Configuration setting	Auto configuration by firmware or manual by service engineer			
Net interface slot	Built-in dry contact PCB, optional SNMP card			
Emergency Power Off (EPO)	Yes			
Remote management	Available			
Battery temperature probe	Yes			
Physical characteristics				
Dimensions W x D x H (mm)	1990 x 965 x 1920	2440 x 950 x 2020	2440 x 950 x 2020	3640 x 950 x 1920
Net Weight (kg)	1820	2220	2400	3600
Ambient conditions				
Operating temperature (°C)	0 ÷ 40			
Relative humidity (%)	<95% not condensing			
Protection index	IP20			
Noise at 1 m (dBA)	<62			
Certifications				
Complies to	EN 62040-1, EN 62040-2, EN 62040-3			
Reference product standards	CE			

Note: As standard specifications are subject to change due to continuous development. Please ask for confirmation given in this publication.
General Tolerance ± 2 mm



Customer services

Reliable

Directly present in 250+ locations across India to ensure quick support, a team of 900 factory qualified engineers are available 24/7/365 to support your UPS system to ensure availability to the most critical loads.

Excellent

Numeric competitive edge lies in its ability to provide high value-added UPS systems and service for customers. For Numeric, creating value means providing solutions with low energy consumption. The Legrand Group also provides all products required for electrical and digital building installations, particularly as an integrated system, with solution to fit customer needs.

Tailor-made

We offer a complete range of specific solutions and services to meet customer requirements:

- Technical pre-sales support
- UPS sizing and solution
- Supervision of installation, testing and commissioning.
- Operator training
- Site audits
- Warranty extension offers
- Annual maintenance contract

SERVICES

Today a business is always ON mode with zero-tolerance for downtime. Numeric offers a wide range of products that promise seamless quality power solutions for all kinds of consumers – industrial, commercial and residential. The range of power solutions covers 3P, 2P and LI across power needs.

Support

SITE INSPECTION, INSTALLATION SUPERVISION.

With Numeric UPS' safe and fault-free operations start at the time of installation. A team of technical experts from Numeric visit the UPS site to perform a comprehensive check of the environment. The site engineer or electrical contractor is informed of their recommendations. The installation is supervised by the Numeric technical team.



SITE TEST, COMMISSIONING.

After the installations, the UPS is subjected to rigorous site tests. The UPS is configured according to user's requirements and completely set-up before going live. After successful testing, the UPS is handed over with the installation report.

Training

TRAINING

On-site training is made available to ensure the safe and efficient operation of the equipment. Hands-on training for the client's engineers and technical team can be arranged at Numeric's plants



Maintenance

PREVENTIVE MAINTENANCE

Optimal performance of the UPS require regular preventive maintenance operations, with parts replaced when needed. Numeric offers Service Contracts with Preventive Maintenance that include cleaning, UPS measurements, functional tests, technical reports (optional), battery health check up and software upgrades.



CORRECTIVE MAINTENANCE, EMERGENCY CALL

Engineers and spare parts stocks have been strategically located to handle emergencies. A powerful diagnostic software helps engineers identify the fault quickly and ensure short MTTR (Mean Time To Repair). The diagnosis further helps corrective actions such as part replacement, adjustments to be performed and return the UPS system back to normal.

Head Office

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Regional Offices

New Delhi

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Industrial Estate, Mathura Road,
New Delhi - 110 044.
Phone : +91 11 26990028 / 29 / 30

Kolkata

Bhakta Tower, Plot No. KB22,
2nd & 3rd Floor, Salt Lake City,
Sector - III, Kolkata - 700 098.
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Near Mirador Hotel, Chakala,
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Phone : +91 135 272 9649

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Phone : +91 141 221 9082

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Vibhuti Khand, Gomti Nagar,
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Phone : +91 93352 01364

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Phone: +91 674 255 0760

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(Behind Rajgarh Girls High School),
Guwahati - 781 007.
Phone : +91 361 245 0322/245 1987

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2nd Floor, Patna - 800 001.
Phone : +91 612 220 0657

Ranchi

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Lalpur, 2nd Floor, Ranchi - 834 001.
Phone : +91 651 221 4071

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Beside Hotel Novotel,
Near Iscon Circle, S G Highway,
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