

KEOR HP

THREE-PHASE
UPS
from 100 to 800 kVA



GLOBAL SPECIALIST IN ELECTRICAL AND DIGITAL
BUILDING INFRASTRUCTURES



Compact size with the best balance between footprint and power.

Integrated transformer for the galvanic separation between AC/DC side

EASY installation and maintenance

High efficiency up to 95% (TÜV certified)

Parallelable up to 4,8MVA

Output power factor 0,9



legrand

**KEOR HP
200-250-300**



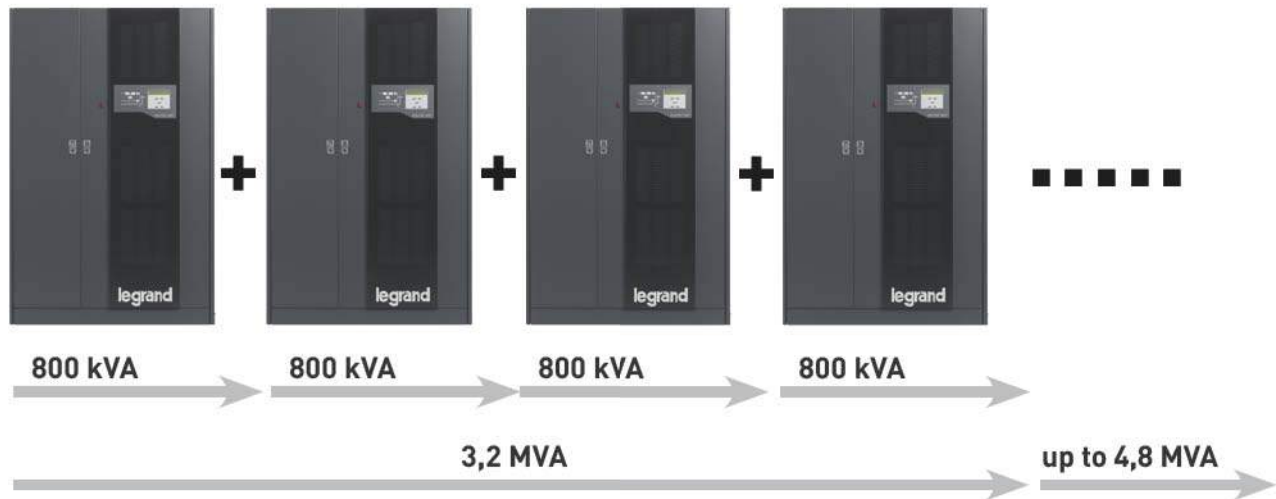
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**KEOR HP
400-500-600-800**

PARALLELABLE UP 6 UNITS

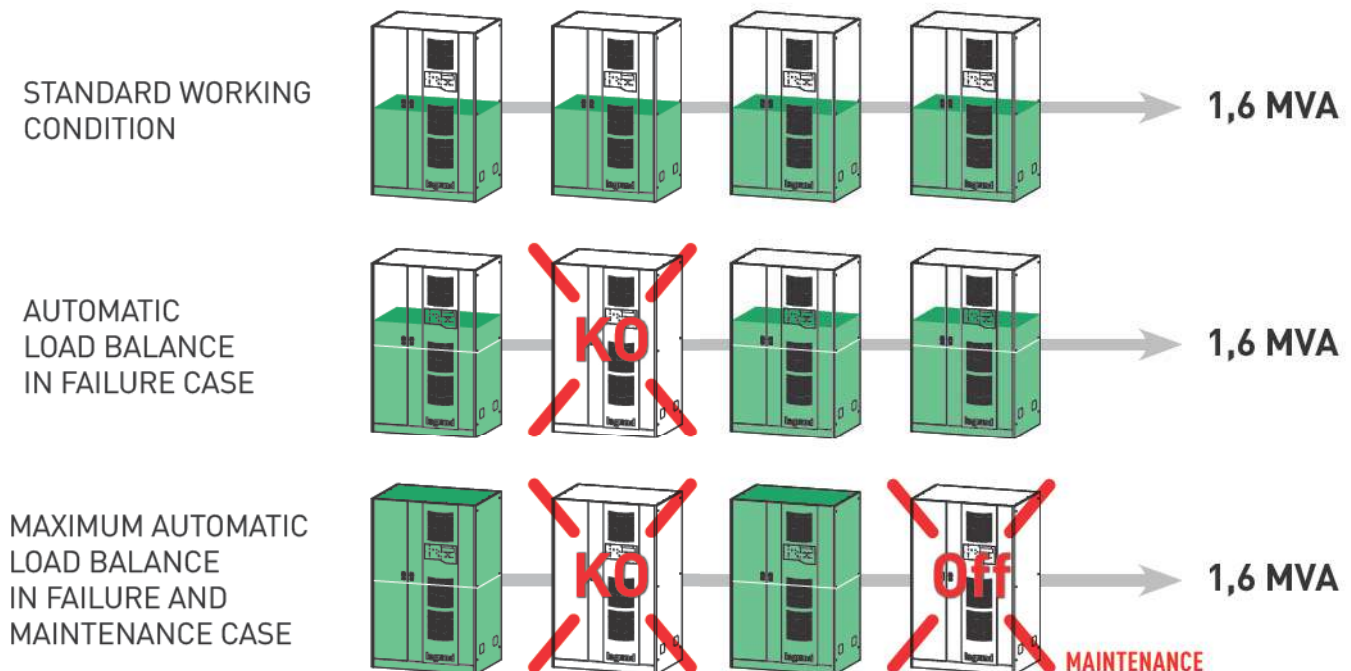
TO INCREASE THE POWER

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 100-125-160-200-250-300

Conventional UPS - Three-phase On-line double conversion VFI

Cat.Nos.	100	125	160	200	250	300
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, paralleleable up to 6 unit					
Input characteristics						
Input voltage	380-415 V 3Ph+N					
Input frequency	50-60 Hz $\pm 10\%$ autosensing					
Input voltage range	400 V -20% / + 15%					
THD of input current	<3%					
Compatibility with diesel generators	Configurable for synchronism between the input and output frequencies, even for the highest frequency variations					
Input power factor	> 0,99					
Output characteristics						
Output voltage	380, 400, 415 V 3Ph+N selected					
Efficiency	up to 95%					
Output frequency (nominal)	50 /60 Hz selected $\pm 0,001\%$					
Crest factor	3:1					
THD of output voltage	<5% (with non-linear load)					
Output voltage tolerance	$\pm 1\%$ (with balance load)					
Permitted overload	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					
Battery Recharge Profile	IU (DIN41773)					
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					
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 H x W x D (mm)	1670 x 815 x 825			1905 x 1220 x 855		
Net Weight (kg)	625	660	715	970	1090	1170
Dimensions battery cabinet H x W x D (mm)	1900 x 1400 x 830 (50 batteries)			1900 x 1400 x 830 (50 batteries)		
	1900 x 2800 x 830 (100 batteries)			1900 x 2800 x 830 (100 batteries)		
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		
Conformity						
Reference product standards	EN 62040-1, EN 62040-2, EN 62040-3					

KEOR HP 400-500-600-800

Conventional UPS - Three-phase On-line double conversion VFI

Cat.Nos.	400	500	600	800
General characteristics				
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, paralleleable up to 6 unit			
Input characteristics				
Input voltage	380-415 V 3Ph+N			
Input frequency	50-60 Hz \pm 10% autosensing			
Input voltage range	400 V -20% / + 15%			
THD of input current	<3%			
Compatibility with diesel generators	Configurable for synchronism between the input and output frequencies, even for the highest frequency variations			
Input power factor	> 0,99			
Output characteristics				
Output voltage	380, 400, 415 V 3Ph+N selected			
Efficiency	up to 95%			
Output frequency (nominal)	50 /60 Hz selected \pm 0,001%			
Crest factor	3:1			
THD of output voltage	<5% (with non-linear load)			
Output voltage tolerance	\pm 1% (with balance load)			
Permitted overload	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			
Battery Recharge Profile	IU (DIN41773)			
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			
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 H x W x D (mm)	1920 x 1990 x 950	2020 x 2440 x 950	2020 x 2440 x 950	1920 x 3640 x 950
Net Weight (kg)	1820	2220	2400	3600
Dimensions battery cabinet H x W x D (mm)	1900 x 2800 x 830 (100 batteries)			-
Ambient conditions				
Operating temperature (°C)	0-40			
Relative humidity (%)	<95% not condensing			
Protection index	IP20			
Noise at 1 m (dBA)	< 62			
Conformity				
Reference product standards	EN 62040-1, EN 62040-2, EN 62040-3			

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

Conventional UPS - Three-phase On-line double conversion VFI



KEOR HP 100



KEOR HP 200

Model	UPS (without batteries)			
	Nominal power kVA	Active power kW	Dimensions H x W x D (mm)	Net Weight (kg)
KEOR HP 100	100	90	1670 x 815 x 825	625
KEOR HP 125	125	112,5	1670 x 815 x 825	660
KEOR HP 160	160	144	1670 x 815 x 825	715

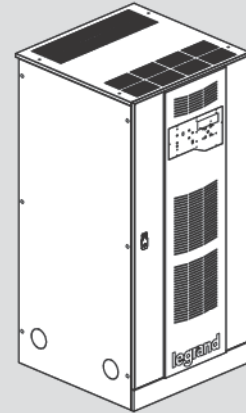
Model	UPS (without batteries)			
	Nominal power kVA	Active power kW	Dimensions H x W x D (mm)	Net Weight (kg)
KEOR HP 200	200	180	1905 x 1220 x 855	970
KEOR HP 250	250	225	1905 x 1220 x 855	1090
KEOR HP 300	300	270	1905 x 1220 x 855	1170

Options

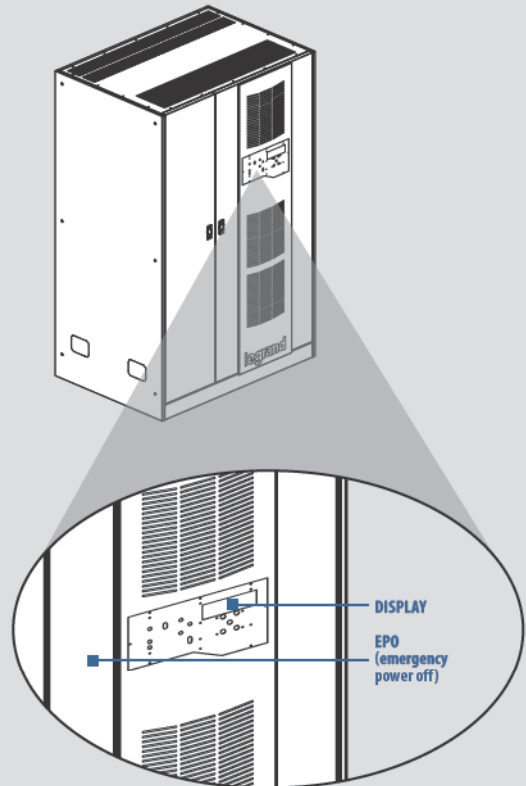
Description

- Empty battery cabinet with cables and protection
- Batteries 5 years / 10 years life time in cabinets or racks
- Battery switch box with protection : fuses or MCCB
- Battery monitoring system
- BY PASS insulation transformer
- External maintenance by-pass for parallel systems
- Top entry cable cabinet
- Remote control panel

KEOR HP 100-125-160



KEOR HP 200-250-300



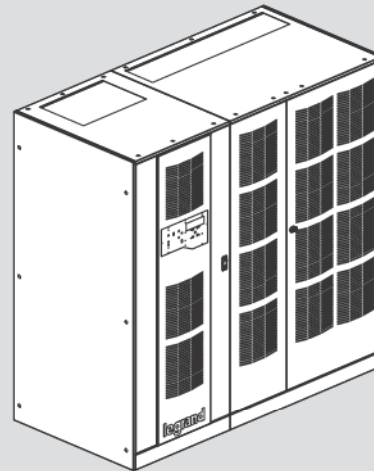
KEOR HP 400-500-600-800

Conventional UPS - Three-phase On-line double conversion VFI



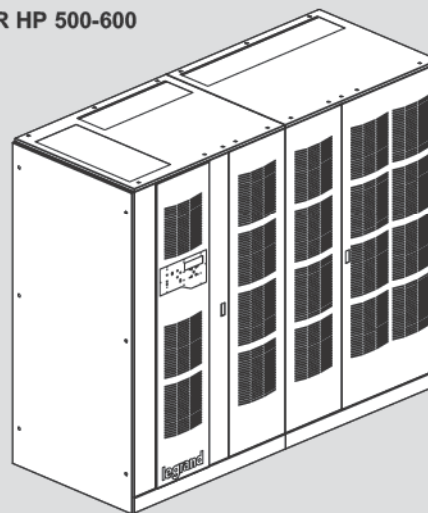
KEOR HP 400

KEOR HP 400



Pack	Model	UPS (without batteries)			
		Nominal power kVA	Active power kW	Dimensions H x W x D (mm)	Net Weight (kg)
1	KEOR HP 400	400	360	1920 x 1990 x 950	1820
1	KEOR HP 500	500	450	2020 x 2440 x 950	2220
1	KEOR HP 600	600	540	2020 x 2440 x 950	2400
1	KEOR HP 800	800	720	1920 x 3640 x 950	3600

KEOR HP 500-600



Options

Description

- Empty battery cabinet with cables and protection
- Batteries 5 years / 10 years life time in cabinets or racks
- Battery switch box with protection : fuses or MCCB
- Battery monitoring system
- BY PASS insulation transformer
- External maintenance by-pass for parallel systems
- Top entry cable cabinet
- Remote control panel

KEOR HP 800

