

Keor MP 60-80 kVA

Three-phase UPS system

Cat.No : 311443 - 311444 - 311445 - 311446 - 311447



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1. CHARACTERISTICS

The Legrand UPS Models of Keor MP family are transformer free uninterruptible power source with Online double conversion high frequency PWM technology, passing through neutral.

All models are equipped with distribution switches, internal valve-regulated, sealed batteries (VRLA), parallel port and communication ports. Compact dimensions, User friendly touch screen display, comfortable connection terminals make the product easy to install, use and maintain.

2. TECHNICAL DATA

■ 2.1 General characteristics

Nominal power [kVA]	60	80
Active power [kW]	60	80
Technology	On-Line Double Conversion VFI-SS-11	
Waveform	Sinusoidal	
UPS architecture	Monolithic, Transformer Free	
Parallel	Yes up to 4 units	
Efficiency (AC-AC)		
@25% load	95.25%	95.55%
@50% load	95.67%	95.82%
@75% load	95.32%	95.5%
@100% load	95.1%	95.04%
Weighted Efficiency EU CoC	95.48	95.67
ECO Mode efficiency	98%	

■ 2.2 Input

Input voltage [V]	380-400-415V 3PH+N
Input Voltage Range	+15% -20%
Input frequency [Hz]	50/60
Input frequency tolerance [Hz]	40-70
THD Input current	<4%
Input power factor	0.99

■ 2.3 Output

Output voltage [V]	380-400-415V 3PH+N
Output frequency (nominal)	±0.1% Free Run
Crest Factor	Up to 3:1
THD Output voltage	< 2% linear load
Output Voltage Tolerance	±1%

Overload capacity (VFI mode)	
@110% Load	60 min
@125% Load	10 min
@150% Load	1 min

■ 2.4 Bypass

Bypass	Static, Automatic and Manual
Dedicated Input for the Bypass	Yes
Bypass voltage tolerance [%]	400V Ph-Ph ; 230V Ph-N ±15%
Bypass frequency [Hz]	50-60Hz from ±1% to ±10% adjustable
Overload Capacity in Bypass mode	
from 101% to 150% @200% Load	continuous output off

■ 2.5 Battery

Battery Type VRLA	VRLA 12V-10Ah
DC Battery Voltage	480
N. of internal batteries	120
Recharge Current [A]	18
Uptime Expansion	Yes, with dedicated battery cabinet

■ 2.6 Communication and management

Display and Signals	Touch Screen 7"
Communication Ports	Multiple communication interface: USB, RS232, RS485, Parallel port, Dry contact, Intelligent slot, SNMP card (Optional), Relay card (Optional)
Auxiliary signal	EPO, Temperature probe input, Genset, Ext Bypass, Ext Batt Connection
Distribution switches	Input, Output, Manual Bypass, Battery (fuse holder)

■ 2.7 Mechanical characteristics

UPS Measurements WxHxD [mm]	600 x 1475 x 1023	
UPS Net Weight without batteries [kg]	60 kVA: 275	80 kVA: 297
Battery Cabinet Measurements WxHxD [mm]	250 x 836 x 795	
Battery Cabinet Net Weight without batteries [kg]	47.7	
Colour	White and Black	
Packaging	Carton Box on Pallet	

■ 2.8 Enviromental specs

Operating temperature [°C]	0 ÷ 40 °C
Degree of protection	IP20
Relative humidity [%]	0-95% (non-condensing)
Noise level at 1 m [dBA]	<75dBA
Maximum Heat Loss [BTU/h]	14535
Maximum Altitude without derating [m above the sea level]	1,000 m

3. STANDARDS AND REGULATIONS

The UPS Keor MP has the CE Mark accordingly with the EU Directives 2006 95 2004 108 and it comply with following standards

- EN 62040-1: General rules for electric safety
- EN 62040-2: Electromagnetic compatibility and immunity (EMC)
- EN 62040-3: Performances and testing rules

RoHS :

Compliance with the 2011/65/EU Directive (RoHS), as modified by the 2015/863/EU Delegated Directive, on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

REACH :

The substances identified as SVHC (Substances of Very High Concern) according to the REACH Regulation (1907/2006), if present in the products at a concentration above 0.1% weight by weight, are declared inside the European SCIP database. At the date of publication of this document none of the substance listed in the annex XIV is found in this product.

Batteries

The batteries included in this product comply with the requirements set out in European Regulation 2023/1542, according to the application timing indicated therein.

WEEE

WEEE Directive (2012/19/EU): the sale of this product includes a contribution to the appointed environmental bodies of each European country in charge of handling, at the end of their life, the products falling within the scope of the EU Directive on Electrical and Electronic Equipment Waste

Packaging :

Design and manufacture of packaging compliant with European Directive 94/62/CE.

The UPS Keor MP is CE marked in accordance with EU directives 2006 95 2004 108



4. OTHER INFORMATIONS



Installation and maintenance manual: mounting informations and maintenance guide available on e-catalogue

For further technical information, please contact Legrand technical support.

Unless otherwise indicated, data reported in this document refers exclusively to test conditions according to product standards.

For different conditions of use of the product, inside electrical equipment or in any different installation context, refer to the regulatory requirements of the equipment, local regulations and design specifications of the system.