



KOHLER MIPS

Medical Isolated Power Supply for Electrical Medical IT Systems

Innovative design, *trusted* support.

Premium quality, high specification isolated power supply (IPS) designed for medical electrical IT systems.

Easily integrates with Kohler's UPS and generator systems, and backed by its best-in-class* support.

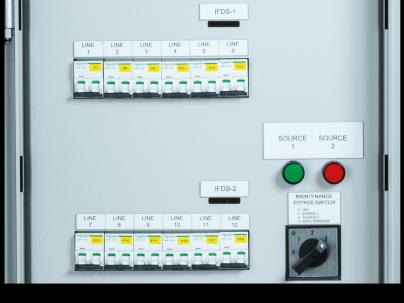
*Verified 2018–2021 via Satmetrix survey and benchmarking. Satmetrix is a trademark of NICE Ltd.

The KOHLER MIPS system delivers patient safety and power availability backed by the reliability and support synonymous with KUP.

Our core business is the design, installation and maintenance of critical power protection systems.

We offer the most comprehensive and cost-effective service plans available, ensuring your power protection systems are expertly maintained on a regular basis and ready to support your critical load.









KOHLER MIPS

Built in the UK and designed from the outset to fully meet or exceed the requirements of UK HTM-06-01 for use in Medical Group 2 locations, the KOHLER MIPS system isolates supplies from earth, ensures continuity of power in the event of a first fault, and monitors the system for abnormal conditions. Status and alarms are reported through a range of modern, highly featured but easy to use monitoring and control panels.

Engineered to complement the many KOHLER UPS and KOHLER generator systems installed in hospitals and other healthcare facilities, systems may be configured with four different levels of power distribution (6, 12, 18 or 24 MCBs), giving flexibility of use across locations including:

Operating rooms

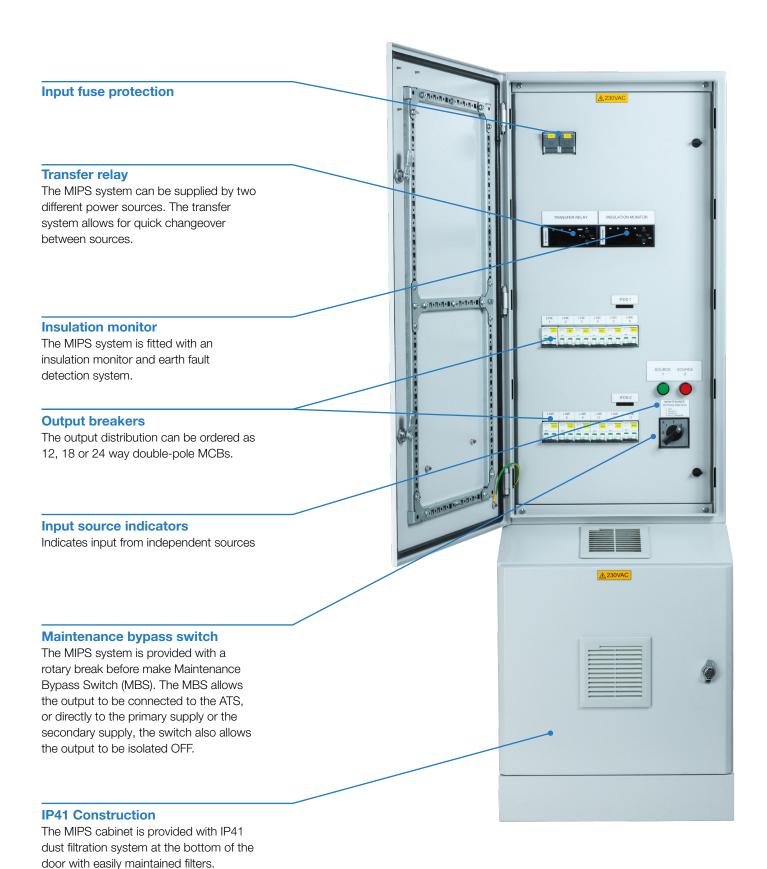
Recovery rooms

Intensive care rooms

Therapy rooms

MRI suites

Main System Cabinet - Outer and Indicators



Main System Cabinet - Interior

Easy installation

Top entry cable glands provide easy access to the terminals for all power, load and monitoring cable infrastructure.

Fault detection system (FDS)

Insulation fault detection device with integrated current transformers is used for detecting insulation faults in IT systems. Insulation faulty detection system consists of test device, control and indicator device, fault evaluator and current transformer.

Air circulation

Segregated fan assembly improves the overall efficiency of the system and advances independent component heat dissipation

Transformer

Medical Isolating Transformer produced to comply with EN 61558-2-15 Standards for supplying critical loads. A static screen placed between the primary and secondary windings is isolated from the fixed angle transformer core. Insulation Class F, 230V/230V design with built in temperature PTC thermistor for connection to Insulation Monitor and Earth Fault Detection System.

Preinstalled in the lower section and QC tested before despatch, assuring easy on-site commissioning



KOHLER MIPS System Overview

Main Unit

Control electronics in upper section

Transformer in lower section





4" or 7" Local Alarm Panels





Wall or Flush-mounted Central Alarm Panel



Landscape or Portrait Operating Room Control Panels





Technical specification

Model	MIPS-10-12		MIPS-10-18	MIPS-10-24	
Power rating	10 kVA		10 kVA	10 kVA	
Input					
Output voltage	230 VAC	230 VAC			
Frequency range	50 Hz / 60 Hz	50 Hz / 60 Hz			
Isolation level	3 kV / 1 min	3 kV / 1 min			
Output					
Output protection	Miniature Circuit Breaker	Miniature Circuit Breaker (MCB)			
Output distribution	12 way		18 way	24 way	
Alarm output	Insulation fault / Overloa	Insulation fault / Overload / Over temperature			
Functional test	Advanced insulation faul	Advanced insulation fault			
Enclosed leakage current	<0.5 Ma	<0.5 Ma			
Isolation fault detection period	<1 second	<1 second			
General					
Cabinet protection	IP 41	IP 41			
Operating temperature	0°C to +50°C	0°C to +50°C			
Storage temperature	-15°C to +70°C	-15°C to +70°C			
Ventilation	Dual fan	Dual fan			
Management software	Isolation resistance by L	Isolation resistance by LCD screen			
Transfer system	Automatic Transfer Swite	Automatic Transfer Switch (ATS) via contactor			
Transfer time	<5 ms	<5 ms			
Response rate	50 – 500 kΩ	50 – 500 kΩ			
Overall heat dissipation	<500 W	<500 W			
Finish colour	RAL9003 (signal white)	RAL9003 (signal white)			
Dimensions, W x D x H	500 x 400 x 1600mm		500 x 400 x 1825mm	500 x 400 x 2050mm	
Net weight	TBC	TBC			



Exceptional 24/7/365 Service Support

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Kohler Uninterruptible Power is part of Rehlko, the new name for Kohler Energy.