Isolated Power Sytems

Isolated Power Panels



IPS

Isolated power systems are used in group 2 rooms in medical locations, and they consist of auxiliary devices and test combinations such as isolated power panels and isolating transformer, isolation monitoring device, insulation fault location devices, remote alarm indicators.

The following medical locations that carrying vital importance in hospitals and where medical devices are directly connected to patients are defined as group 2 room in accordance with IEC 60364-7-710 standard and isolated power systems are used in these rooms.

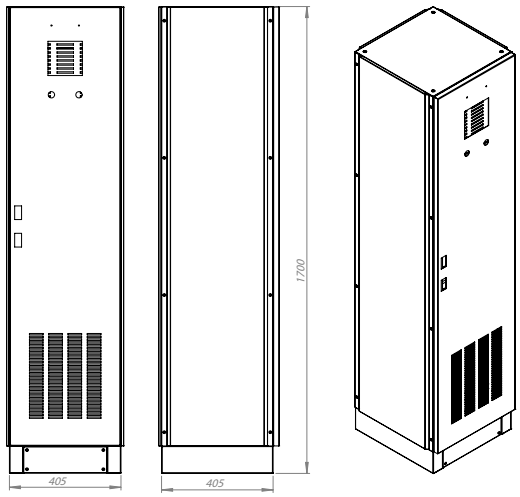
The following rooms are of special concern

- Operating theatres
- Intensive care rooms
- Anesthetic rooms
- Premature baby rooms
- Operating preparation rooms
- Operating recovery rooms
- Heart catheterization rooms
- Angiographic examination rooms

Technical Characteristics

- Power of system 3.15 / 4 / 5 / 6.3 / 8 / 10 kVA
- According to IEC 60364-7-710
- Monitoring insulation resistance, load current and temperature of the transformer
- Dimension of panel 405 x 405 x 1700 mm
- Color of panel RAL 7035 / RAL 9003

Technical Specifications	
Brand Name	Aktif
Type	IGTHP 0710/1P-XX
Standards	IEC 60364-7-710
Rated Power of Outgoing	3.15 / 4 / 5 / 6.3 / 8 / 10 kVA
Power Supply Unit	Double Single Phase Lines
Rated Voltage Line 1	230 Vac
Rated Voltage Line 2	230 Vac
Rated Frequency	50 / 60 Hz
Rated Insulation Level	3 kV / 1 min
Input Protection	gL Fuse
Secondary Output Voltage	230 Vac
Output Protection	2 Pole Fuses
Monitoring	Isolation Resistance with LCD Display
Alarm Output	Isolation Fault, Over Load, Switchover Failure, Over Temperature
Functional Test	Advanced Isolation Fault and Switchover Test
Leakage Current to Enclosure	<0.5 mA
Response Range	50 - 500 kΩ
Isolation Fault Detection Time	<1 s
Switchover Time	<200 ms
Operating Temperature	5 ..... +50 °C
Storage Temperature	25 ..... +60 °C
Panel Sizes	405 X 405 X 1700 mm
Distribution Outlet	6 - 12 Outlets
Cooling System	with Fan
Protection Class	IP 31
Color	RAL 7035 / RAL 9003



aktif MÜHENDİSLİK

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