Power Distribution
Panels



Litech is a licensed switchboard manufacturer that designs a full range of power distribution panels for data centers. Our team of experienced and skilled design engineers and technicians has the expertise to design,supply, deliver, test, and commission our power distribution panels to meet both international and local standards.

Our power distribution panel rack mount is designed to distribute electrical power to multiple devices or equipment within a rack-mounted system. It is typically mounted on a standard equipment rack, allowing for easy installation and organization of power distribution within a data center, server room, or other networking environment. The rack-mount design helps to save space and streamline the power distribution process, making it easier to manage and maintain the power supply to various devices within the rack. Power distribution panel rack mounts come in various configurations and capacities to accommodate different power requirements and setups, providing a convenient and efficient solution for powering multiple devices in a rack-mounted system.

Power Distribution Module Specifications

Power Distribution Panel Module 1

Single input is provided, the IT load power is less than or equal to 8.5 kW module, and one 10 kV A UPS and a maximum of one smart cooling product are configured.

Parameter	Specification
Dimensions (H x W x D)	130 mm x 442 mm x 450 mm
General Input	63A MCB
UPS Input	1 x D63A/1P MCB
UPS Output	1 x C63A/1P MCB
UPS Bypass	1 X C63A/1P MCB
Power Distribution for Smart Cooling Product	1 x C40A/1P MCB + 1 x C25A/1P MCB
Power Distribution for IT Equipment	4 x C40A/1P MCB
SPD Switch	1 x C32A/4P MCB

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Power Distribution Panel Module 2

Single input is provided, the IT load power is less than or equal to 17 kW, UPS N architecture is supported and a maximum of one 20 kVA, UPS and three smart cooling products are configured.

Parameter	Specification
Dimensions (H x W x D)	263 mm x 442 mm x 450 mm
General Input	100 A disconnector switch
UPS Input	1 x D63A/3P MCB
UPS Output	1 x C63A/1P MCB
UPS Bypass	1 X C63A/1P MCB
Power Distribution for Smart Cooling Product	3 x C40A/1P MCB + 3 x C25A/1P MCB
Power Distribution for IT Equipment	12 x C40A/1P MCB
SPD Switch	1 x C32A/4P MCB

Power Distribution Panel Module 3

Single input is provided, the IT load power is less than or equal to 8.5 kW or 17 kW, and UPS N+1 architecture is supported. If the IT load power is less than or equal to 8.5 kW, a maximum of two 10 kVA UPS and two smart cooling products are configured. If the IT load power is less than or equal to 17 kW, a maximum of two 20 kVA UPSs and three smart cooling products are configured (two smart cooling products with humidifiers and one only-refrigerating smart cooling product).

Parameter	Specification
Dimensions (H x W x D)	263 mm x 442 mm x 450 mm /
	130 mm x 442 mm x 450 mm (additional component)
General Input	100 A disconnector switch
UPS Input	2 X D63A /3P MCB
UPS Output	2 x C63A /3P MCB
UPS Bypass	1 X C63A/1P MCB
Power Distribution for Smart Cooling Product	3 x C40A/1P MCB + 3 x C25A/1P MCB
Power Distribution for IT Equipment	12 x C40A/1P MCB
SPD Switch	1 x C32A/4P MCB

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Power Distribution Panel Module 4

Single input is provided, the IT load power ≤ 25kW, UPS N/N+1 architecture is supported, and a maximum of three 20 kV A UPS and four smart cooling products are configured.

Parameter	Specification
Dimensions (H x W x D)	263 mm x 442 mm x 450 mm /
	130 mm x 442 mm x 450 mm (additional component)
General Input	125 A MCB
UPS Input	3 x D63A/3P MCB
UPS Output	3 x C63A/3P MCB
UPS Bypass	1 x C63A/3p MCB
Power Distribution for Smart Cooling Product	4 x C40A/1P MCB + 4 X C25A/1P MCB
Power Distribution for IT Equipment	20 x C40A/1P MCB
SPD Switch	1 x C32A/4P MCB

Power Distribution Panel Module 5

Single input is provided, the IT load power is less than or equal to 8.5 kW or 17 kW, and UPS N+1 architecture is supported. If the IT load power is less than or equal to 8.5 kW, a maximum of two 10 kVA UPS and two smart cooling products are configured. If the IT load power is less than or equal to 17 kW, a maximum of two 20 kVA UPSs and three smart cooling products are configured (two smart cooling products with humidifiers and one only-refrigerating smart cooling product).

Parameter	Specification
Dimensions (H x W x D)	263 mm x 442 mm x 450 mm /
	130 mm x 442 mm x 450 mm (additional component)
General Input	100 A disconnector switch
UPS Input	2 X D63A/3P MCB
UPS Output	2 X C63A/3P MCB
UPS Bypass	1 X C63A/3P MCB
Power Distribution for Smart Cooling Product	6 X C40A/1P MCB
Power Distribution for IT Equipment	12 X C40A/1P MCB
SPD Switch	1 x C32A/4P MCB

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