

POWER | Reducing Power Outages

5 Ways to Reduce Power Outages at the Rack Level

There are some simple yet effective ways to reduce the possibility of power outages, including at the rack end of the power chain where it is imperative to keep IT equipment running.

#1 Coloured PDU Chassis

The use of coloured PDUs at the rack level allows quick and simple identification for Technicians and Engineers, reducing human error whilst working in racks/cabinets. Utilising coloured PDUs enables differentiation of the Primary and Redundant (A & B) power feeds within the rack. Usually 2 or 4 PDUs per rack depending on density.

#2 Prevent Accidental Power Cord Removal

IEC accidental release sleeves, power cord retention system for C13 and C19 sockets offer added protection against the unintentional removal of cables from the PDU C13 or C19 outlets.

#3 Alerts / Notifications of Changes

Threshold alerts to highlight unauthorised or accidental removal of equipment. Setting low alert levels can notify nominated administrator(s) of removal of equipment from PDU sockets using SNMP.

#4 Environmental Sensors

Environmental sensors will also allow setting of alarms and thresholds to provide early detection of issues within the rack. E.g. temperature, humidity, smoke, water.

#5 Hot Swappable Technology

Selecting PDUs which have hot swappable technology such as RMS current meter with LCD or field replaceable DC modules so there is no interruption to equipment in the event of a component replacement being required.

+ Reduce access to inside racks and prevent unauthorised removal of equipment with smart card rack access. Alerts can be configured notifying administrators of unauthorised access attempts.



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