

# UPS Output Distribution

UPS output distribution switchboards are located immediately downstream of the UPS power plants and extend to the PDU or data processing room levels.

One important consideration for these systems is that they do not have to follow the redundancy level or plant counts found in the UPS power plants.

Class F1 systems, the UPS output distribution switchboards are single units.

Class F2 systems, there may be module redundancy, but there may not be UPS power path redundancy. In both cases, UPS systems would match the total UPS power paths.

In a Class F3 system with a single UPS power plant, there are at least two UPS output powered critical distribution switchboards, one on the active path and one on the alternate, or non-UPS, path.

For a Class F4 system, there are at least two critical power switchboards, if not more.

UPS output distribution switchboards may come in numerous specifications and configurations, all depending on the maintenance and failure mode of the critical loads downstream and UPS systems upstream.

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