



IEEE Standard for Preferred Power Supply (PPS) for Nuclear Power Generating Stations (NPGS)

IEEE Power and Energy Society

Developed by the
Nuclear Power Engineering Committee

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STANDARDS

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Abstract: The design criteria of the preferred power supply (PPS) and its interfaces with the Class 1E power system, switchyard, transmission system, and alternate ac (AAC) source are described in this standard. PPS requirements for nuclear power plants and guidance in the areas of AAC power source interfaces with PPS, physical independence of the PPS power and control circuits, and expanded PPS criteria for multi-unit stations are also provided.

Keywords: AAC, alternate ac source, Class 1E, IEEE 765™, NPGS, nuclear power generating station, PPS, preferred power supply, switchyard, transmission system

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