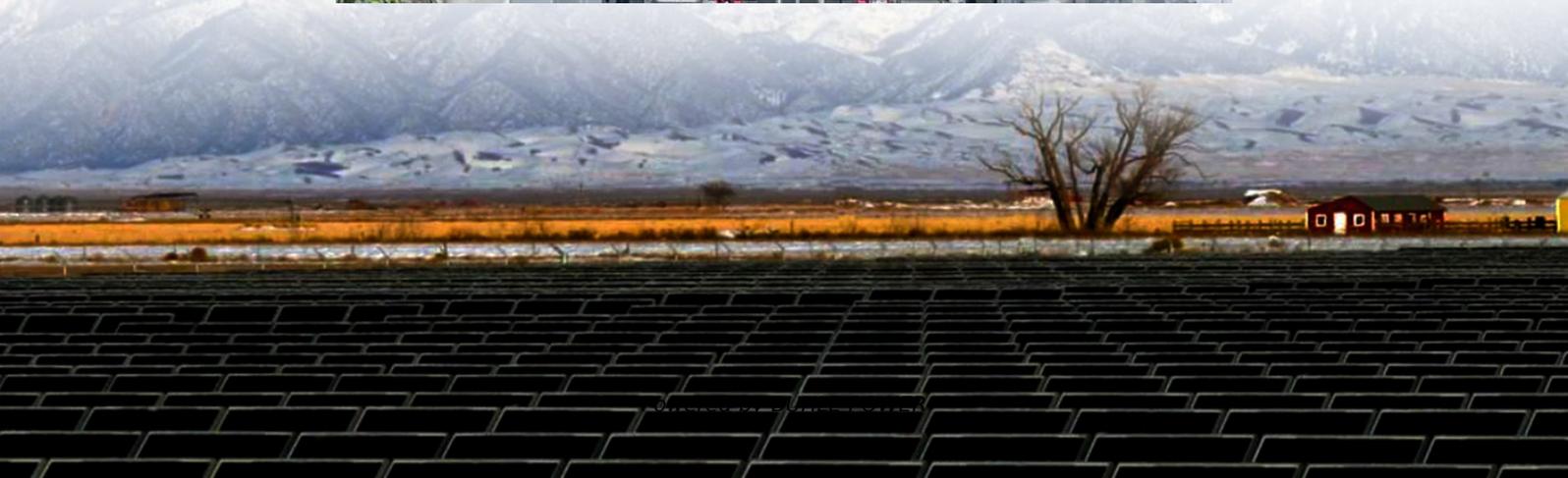
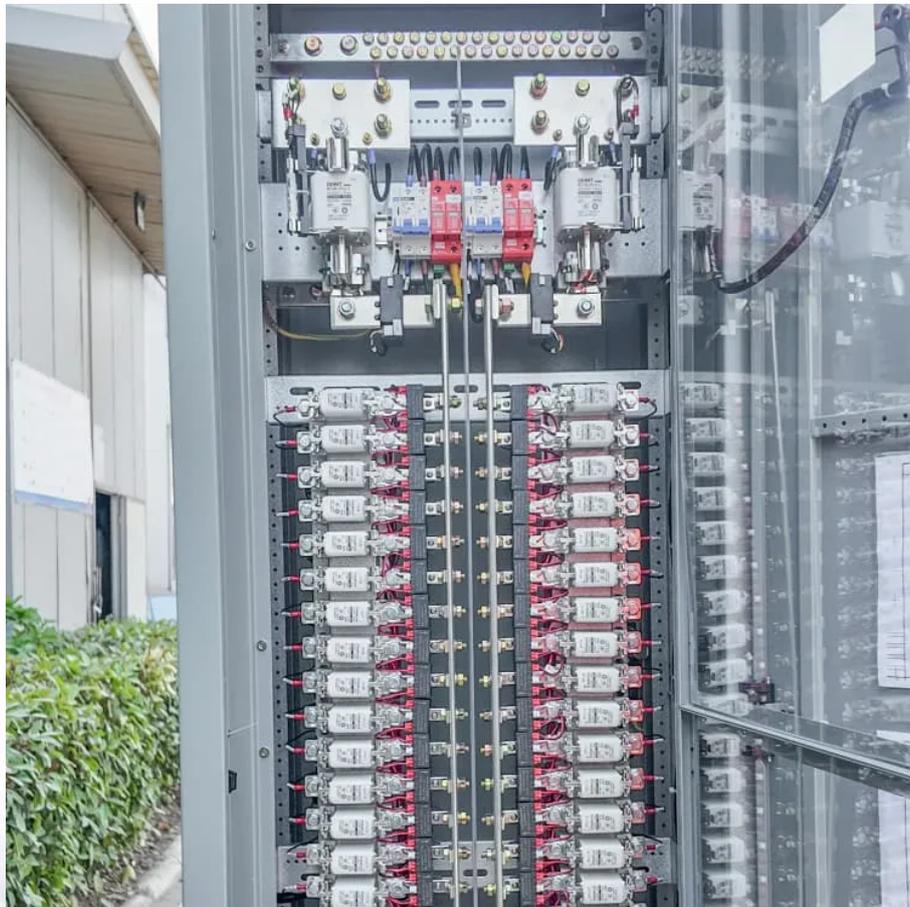


Paramaribo Power Uninterruptible Power Supply Parameters





Overview

What is an uninterruptable power supply system (UPS)?

2.1 An uninterruptable power supply system (UPS) is defined as a device which for a specific period of time supplies continuous power to radio equipment independent of any power failures in the ship's main or emergency source of electric energy.² rechargeable accumulator batteries, complying with the requirements of annex 1.

Which transformer is required to provide neutral terminal to UPS system?

5.1.16 (Optional) Isolation transformer is required for providing neutral terminal to the UPS system. Detailed configuration of the isolation transformer shall be referred to the Particular Specification. Bypass mode. Under normal operation, the rectifier/charger unit shall convert the incoming a.c. mains power supply to d.c. power.

What is normal input power supply?

Normal input power supply shall be three-phase, 480 V ac plus ground. Bypass ac source shall originate at different buses in the electrical system. These buses may have different degrees of reliability and stand by power backup. If separate sources are not available, separate breaker from the same source can be utilized to energize UPS.



Paramaribo Power Uninterruptible Power Supply Parameters



[Uninterruptible Power Supply UPS Design Notes](#)

Ups Input and Output Voltage Requirement
Ups Modes of Operation
Ups Performance Requirements
Ups Components
Manual Bypass Switch
Ups Display and Controls
Ups Construction and Mounting
Batteries, Rack, and Accessories
Ups Documentation
Ups Unit Start-Up and Site Testing
The ac input to the UPS shall conform to the following: (i) Voltage Configuration For Standard Units: Single-phase or three-phase, three-wire plus ground with neutral point grounded. (ii) Voltage Range: +10 to -15% of nominal with no battery contribution (continuous capability). (iii) Frequency: Nominal frequency $\pm 5\%$. (iv) Power Factor: 0.90 lagging
See more on paktechpoint IMO Rules

Annex 3 - Uninterruptible Power Supplies (UPS) - IMORULES

Feb 5, 2024 · 1 INTRODUCTION The UPS should meet the general requirements set out in regulation IV/13 of SOLAS 1974, as amended, and in resolution A.694 (17), as applicable, and ...

Annex 3

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[Understanding UPS \(Uninterruptible Power ...](#)

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UPS Power System Design Parameters This application note is intended to be a source of guidance and to help reduce confusion pertaining to the design, configuration, selection, ...





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[General Technical Specification for Uninterruptible ...](#)

Jul 24, 2024 · 2. Description of System The UPS system shall consist of rectifier/charger, batteries, inverter, static bypass, manual bypass, protective devices and accessories that ...





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