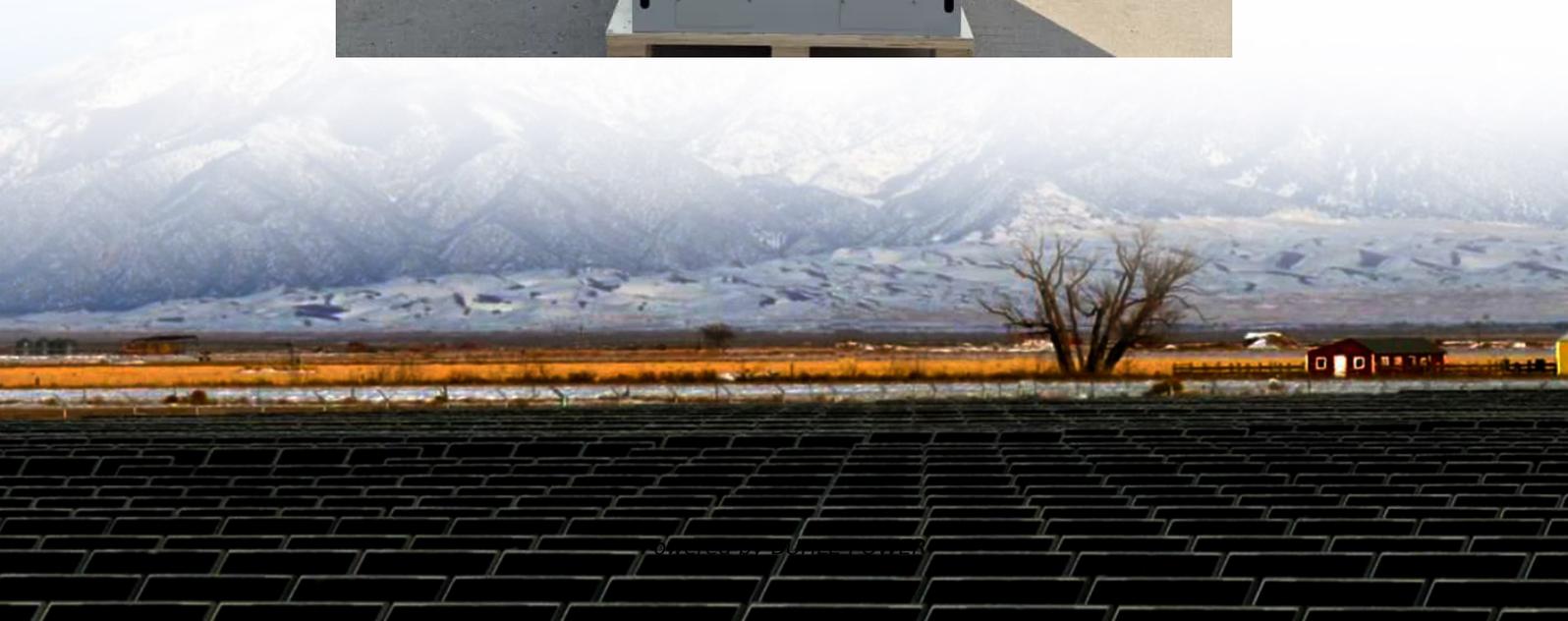


Voltage of the generator of the million-meter power station





Overview

What is a standard voltage for a power plant generator?

In addition, the standard lists applicable motor and motor control nameplate voltage ranges up to nominal system voltages of 13.8 kV. 1.1.2 GENERATORS. Terminal voltage ratings for power plant generators depend on the size of the generators and their application. Generally, the larger the generator, the higher is the voltage.

What size generator should a power plant have?

Generators for a power plant serving an installation will be in the range from 4160 volts to 13.8 kV to suit the size of the unit and primary distribution system voltage. Generators in this size range will be offered by the manufacturer in accordance with its design, and it would be difficult and expensive to get a different voltage rating.

What is a terminal voltage rating for a power plant generator?

Terminal voltage ratings for power plant generators depend on the size of the generators and their application. Generally, the larger the generator, the higher is the voltage. Generators for a power plant serving an installation will be in the range from 4160 volts to 13.8 kV to suit the size of the unit and primary distribution system voltage.

What is a generator-voltage system?

1.1 GENERAL The generator-voltage system described in this discussion includes the leads and associated equipment between the generator terminals and the low-voltage terminals of the generator stepup (GSU) transformers, and between the neutral leads of the generator and the power plant grounding system.



Voltage of the generator of the million-meter power station



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Electric generator

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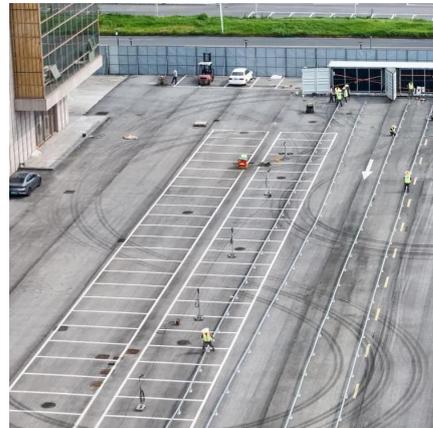


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Electric generator

OverviewGenerator ratingHigh-speed synchronous generatorsWaterwheel generatorsGenerators for motor vehiclesThe capacity of a synchronous generator is equal to the product of the voltage per phase, the c...The voltage rating of the generator is normally stated as the operating voltage between two of its three terminals--i.e., the phase-to-phase voltage. For a winding connected in delta, this is equal to the phase-winding voltage. For a winding connected in wye, it is equal to Square root of?3 ti...See



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