Table 8.3-10—Cable Color Codes

Class 1E Cable Division	Color Code
Division 1	Yellow
Division 2	Green
Division 3	Blue
Division 4	Red

Table 8.3-11—Onsite DC Power System Component Data Nominal Values
Sheet 1 of 2

Component	Division/Train	Nominal Value
1. EUPS Batteries:	Each EUPS Battery	2.22 V/cell nominal float voltage 2.33 V/cell equalize voltage 1.215 nominal specific gravity at 77°F
	Divisions 1 and 4	240 cells 1800 AH at eight hour rate to 1.75 V/cell at 77°F (1)
	Divisions 2 and 3	120 cells 2147 AH at eight hour rate to 1.75 V/cell at 77°F (1)
2. EUPS Battery Chargers	Divisions 1 and 4 & Divisions 2 and 3	Rated nominal input voltage 480 Vac, 3 phase Rated maximum input voltage 508 Vac Rated minimum input voltage 413 Vac Rated nominal AC supply frequency 57 to 63 Hz Rated nominal output voltage 250 Vdc
	Divisions 1 and 4	Required output current 382 A (2)
	Divisions 2 and 3	Required output current 333 A (2)
3. EUPS Inverters	Divisions 1 and 4 & Divisions 2 and 3	Rated nominal input voltage 250 Vdc Rated maximum input voltage 280 Vdc Rated minimum input voltage 200 Vdc Rated nominal output voltage 480 Vac 3 phase Rated power regulation ± 2% Rated nominal output frequency 60 Hz ± ½% Total harmonic distortion less than 5% total voltage distortion, less than 3% individual voltage distortion
	Divisions 1 and 4	Rated power 450 kVA
	Divisions 2 and 3	Rated power 300 kVA
4. EUPS AC/DC Converters	Divisions 1 and 4 & Divisions 2 and 3	Rated Nominal input voltage 480 Vac Rated nominal output voltage 24 Vdc
5. EUPS DC/DC Converters	Divisions 1 and 4 & Divisions 2 and 3	Rated nominal input voltage 250 Vdc Rated maximum input voltage 280 Vdc Rated minimum input voltage 200 Vdc Rated nominal output voltage 24 Vdc
6. EUPS DC Distribution Switchboard	Divisions 1 and 4	Rated Continuous Current 2500 A Rated Short Circuit Current 39 kA
	Divisions 2 and 3	Rated Continuous Current 2000 A Rated Short Circuit Current 30 kA
7. EUPS AC Distribution MCC	Divisions 1 and 4 & Divisions 2 and 3	Rated Maximum Voltage, 508 V Maximum Continuous Current, 2000 A Maximum Bus Bracing Current, 100 kA rms

Table 8.3-11—Onsite DC Power System Component Data Nominal Values
Sheet 2 of 2

Component	Division/Train	Nominal Value
8. 12UPS Batteries	Trains 1 and 2	120 cells 2.22 V/cell nominal float voltage 2.33 V/cell equalize voltage 2400 AH at 12 hour rate to 1.81 V/cell at 77°F (1) 1.215 nominal specific gravity at 77°F
9. 12UPS Battery Chargers	Trains 1 and 2	Rated nominal input voltage 480 Vac, 3 phase Rated maximum input voltage 508 Vac Rated minimum input voltage 424 Vac Rated nominal AC supply frequency 57 to 63 Hz Rated nominal output voltage 250 Vdc Required output current 600 A (2)
10. 12UPS System Inverters	Trains 1 and 2	Rated nominal input voltage 250 Vdc Rated maximum input voltage 280 Vdc Rated minimum input voltage 210 Vdc Rated nominal output voltage 480 Vac 3 phase Rated power regulation ± 2% Rated power 160 kVA Rated nominal output frequency 60 ± ½%
11. 12UPS AC/DC Converters	Trains 1, 2, 3, and 4	Rated Nominal input voltage 480 Vac ± 2% Rated input frequency 60 Hz ± ½% Rated nominal output voltage 24 Vdc
12. 12UPS DC/DC Converters	Trains 1, 2, 3, and 4	Rated nominal input voltage 250 Vdc Rated maximum input voltage 280 Vdc Rated minimum input voltage 210 Vdc Rated nominal output voltage 24 Vdc

Notes:

1. Battery amp-hour rating for different discharge rates are in accordance with vendor specific performance characteristic curves.

2. Battery charger current limiter will limit output current to below 150 percent of the full load output current rating.

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