

For UPS, switchgear and control applications

2.690 KWC, 15 min., 1.67 vpc

### Historical Information - This Model is available for Reference Information only.

**Model:** XT2LP-21  
**Product Line:** XTL Plus  
**Specific Gravity:** 1.215  
**Type:** Flooded 20 year  
**Grid Type:** Lead Calcium  
**No. Cells / Jar:** 2  
**Part Number:** CW-16764  
**No. Plates:** 21  
**Float vDC:** 2.22  
**Equalize vDC:** 2.33



### JAR INFORMATION

**Width:** 14.12 in.  
**Length:** 12.10 in.  
**Height:** 22.75 in.

### WEIGHT INFORMATION

**Jar:** 390.00 lbs.  
**Dom. Pack:** 407.00 lbs.

### Key Calculations

#### Based on the Following Parameters:

**Model:** XT2LP-21  
**Number of Cells:** 60  
**Cell Voltage:** 2.25 vDC  
**Temperature:** 77.0 °F

#### Battery String Information:

**Float vDC: \*** 133.20 vDC  
**Provided vDC:** 135.00 vDC  
**Max vDC: \*** 139.80 vDC  
**Number of Cells:** 60  
**Number of Jars:** 30  
**Battery Weight:** 11,700 lbs.

Nominal Float  
 Based on user provided Cell Voltage  
 Nominal Equalize

#### Hydrogen Evolution: (cu. ft. H<sub>2</sub> / Hour)

**Per Cell:** 0.002555  
**Per String:** 0.153300  
**Cell vDC:** 2.25 vDC  
**Temperature:** 77.0 °F

( 60 cells in the string)

#### Electrolyte & Composition Calculations:

	Per Cell	Per String
<b>Electrolyte Volume:</b>	4.14 gal	248 gal
<b>Electrolyte Weight:</b>	42.00 lbs.	2,520 lbs.
<b>Lead Weight:</b>	135.00 lbs.	8,100 lbs.
<b>H<sub>2</sub>SO<sub>4</sub> Weight (%)</b>	12.42 lbs.	745 lbs.

Electrolyte quantities given are approximate values designed to meet or exceed known reporting requirements of applicable health and safety codes.

#### Cell Resistance & Short Circuit:

<b>Short Circuit Current:</b>	14156 max. amps.	Maximum calculated Short Circuit Current in Amperes
<b>Cell Resistance:</b>	0.000141 ohms.	Resistance expressed in ohms, for Cell + 1 Connector

All critical calculations must be verified with C&D applications.  
Specifications are subject to change without notice.

\* - Nominal values only, see Installation and Operations Manual for details

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#### Features:

- Longer cycle life due to use of wrapped positive plate
- More reserve power/time in less rack space
- Battery warranty for cycle duty, as well as float service
- Electrical testing to 100 percent of published ratings assures performance of every battery
- Hardened, lead-alloy terminals or copper inserted posts provide better conductivity and tighter connections
- Low-maintenance, lead-calcium alloy extends watering intervals

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**Applications:** This model is suitable for numerous applications and deployments. Listed below are standard applications, however, applications engineering should always review specific requirements prior to deployment.

- **Switchgear & Control** - General Purpose: An application in which, characteristically, both high and low currents are required for various durations. Duty cycles (sequence and duration of current loads over support time) are typically 1 minute to 8 hours in duration.
- **UPS** - Short Duration: An application in which, discharge currents are very high and the battery reserve time is one hour or less (typically 15 minutes).

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#### Plate Information:

<b>Plate Height:</b>	15.62 in.	<b>Positive Thickness:</b>	0.20 in.
<b>Plate Width:</b>	12.62 in.	<b>Negative Thickness:</b>	0.12 in.
<b>Electrolyte Height:</b>	2.25 in.	<b>Outside Neg. Thick.:</b>	n/a
<b>Sediment Height:</b>	0.63 in.		
<b>Separator:</b>	Microporous, with fiberglass retaining wrap		

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#### Jar Information:

**Cover:** High-impact, flame-retardant thermoplastic with tongue and groove seal

**Standard Jar:** Thermoplastic, transparent  
**Optional Jar:** Transparent, flame-retardant polycarbonate  
**Safety Vent:** Flame arrester with dust cover  
**Terminals:** Two, 1-in. square copper-inserted posts with dual bolt holes

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FORM # BSP-A4

REV DATE 7/18/02

Tuesday, June 10, 2008

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