

XVP Product Description



■ Construction	
Positive Plate	Lead-low calcium grids minimize corrosion & maximizes life
Negative Plate	Balanced lead-calcium grids optimize recombination efficiency
AGM Separator	Mechanically strong, low electrical resistance, micro porous glass fiber which completely absorbs the electrolyte into its structure
Terminal Post	Threaded Copper alloy terminal insert for 70 WPC and above. Tab terminals (below 40 WPC) are silver plated copper alloy.
Venting Valve	EPDM Rubber 0.44~2.18PSI resealing pressure. Releasing at 1.45~5.08PSI.
Container / Cover	ABS Material to UL94-HB(Optional Flame Retardent to UL-94 V0)
■ Operation temperature range	
Nominal	20°C~25°C (68~77°F)
Discharge	-20°C ~ 60°C (-4~140°F)
Charge	0°C ~ 50°C(32~122°F)
Storage	-20°C ~ 60°C (-4~140°F)
■ Performance	
Recommended Maximum Charging Current Limit	Less than 0.3CA
Float Charging Voltage	13.5V~13.8V at 25°C, Temp. Coefficient -20mV/°C
Maximum AC Ripple (Charger)	±0.02V/cell
Self-Discharge	Low self-discharge rate less than 3% / month @20°C
Equalize charge & cycle service life voltage	13.8~14.4V for equalize charge and 14.4~15.0V for cycle charge voltage @25°C

Note: Design and/or specifications subject to change without notice. If questions arise, contact your local Leoch sales representative for clarification.

◆ North America sales office:

19751 Descartes,Unit A,Foothill Ranch,CA92610,USA
Tel:949-588-5853 E-mail:sales@leoch.us

◆ Atlanta Office:

1395 South Marrietta Parkway, Bldg.400, Suite 108,
Marietta, GA30067
Tel:678-403-1083 E-mail:sales@leoch.us

◆ Singapore sales office:

No.1 Techpark Crescent Singapore638131
Tel:+656863 6078 E-mail:sales.sg@leoch.com

◆ Europe sales office:

98 Wheatstone Court,WaterwellsBusiness Park,Gloucester,GL2-2AQ,UK
Tel:+44(0) 1452 729428 E-mail:sales.Europe@leoch.com

◆ China sales office:

5th Floor,Xinbaohui Bldg.,Nanhai Blvd.,Nanshan,Shenzhen,China.
Tel:+86-755-86036060(100lines) E-mail:export@leoch.com

◆ HongKong sales office:

Unit C,33/F,TML Tower,No.3 HoiShing Road,Tsuen Wan,
New Territories,Hong Kong
Tel:+8523578 6666 E-mail:sales.hk@leoch.com

WWW.LEOCH.US

Publication No:LB-XVP-US-05-2016



ASSURED UPS
Batteries

XVP
Series



www.leoch.us



LEOCH BATTERY CORPORATION

ASSURED UPS

XVP Series

XVP Series Batteries use the most advanced technology of fast punched thin plate (FPTP) for consistent grid batteries. Compared to traditional technology, FPTP has higher manufacturing speed, while delivering higher consistency of product weight, voltage, and internal resistance. Overall, this technology is a mechanized and automatic process, which increases the production performance and reduces energy waste. This process is encouraged by the Energy Saving and Emission Reduction Policies international.

Application

- **UPS (High rate)**
- **Emergency power supply**
- **Banks & Financial Markets**
- **Hospitals & Testing Laboratories**
- **Industrial Process Control Facilities**
- **Data & Network Operation Centers**



Features

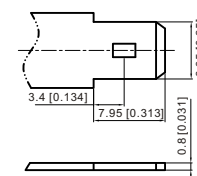
- Valve Regulated Lead Acid (VRLA) AGM Battery, maintenance free.
- Lower calcium level in Pb alloy, for longer float life.
- Punched Plate with full side frames, robust, high accuracy.
- 3D structure optimized design for pasting and active material adherence. Thin grid and plate offers more surface area for high power delivery.
- Automatic production process, strong productivity, fast, consistent high quality manufacturing.
- High power discharge.
- More thin plates with special formula, gives good High Rate Performance and State of Charge consistency.
- Lower self discharging rate, longer shelf life.
- Heat sealing with special container material produces a strong and robust product.
- No restrictions for rail, road, sea & air transport -Complies with IATA/ICAO Special Provisions A67.
- Design according with IEC 60896-21/22:2004, JIS C 8702, JIS C 8704, etc.

Specifications

Model	Nominal Voltage (V)	15min WPC to 1.67V/cell @ 77°F	Length		Width		Height		Weight		Terminal Type
			inches	mm	inches	mm	inches	mm	lbs	Kg	
XVP12-24	12	24	5.94	151	2.56	65	3.90	99	4.45	2.02	T2/T3-H
XVP12-26	12	26	5.94	151	2.56	65	3.90	99	4.74	2.15	T2
XVP12-30	12	30	5.94	151	2.56	65	3.90	99	4.94	2.24	T2
XVP12-34	12	34	5.94	151	2.56	65	3.90	99	5.18	2.35	T2/T3-H
XVP12-38	12	38	5.94	151	2.56	65	3.90	99	5.51	2.50	T2/T3-H
XVP12-70	12	70	7.15	182	3.03	77	6.54	166	12.2	5.55	T12
XVP12-80	12	80	7.15	182	3.03	77	6.54	166	12.8	5.80	T12
XVP12-90	12	90	7.15	182	3.03	77	6.54	166	14.0	6.35	T12
XVP12-280	12	280	10.2	260	6.61	168	8.43	214	49.6	22.5	T6
XVP12-300	12	300	10.2	260	6.61	168	8.39	213	53.4	24.2	T6
XVP12-330	12	330	12.0	306	6.61	168	8.43	214	58.4	26.5	T6
XVP12-330Z	12	330	13.0	330	6.81	173	8.50	216	60.6	27.5	T11
XVP12-340	12	340	13.0	330	6.81	173	8.50	216	61.7	28.0	T11
XVP12-350	12	350	12.0	306	6.61	168	8.43	214	61.3	27.8	T6
XVP12-360	12	360	13.0	330	6.81	173	8.50	216	64.8	29.4	T11
XVP12-400	12	400	13.0	330	6.81	173	8.50	216	66.6	30.2	T11
XVP12-450	12	450	13.0	330	6.81	173	8.50	216	68.8	31.2	T11

Dimensions & Terminal Options

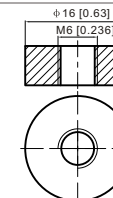
■ T2 Terminal



FASTON TYPE (Copper) quick disconnect tabs;
silver coating for better conductivity

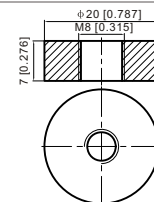


■ T6 Terminal



Copper Alloy; Threaded Insert 6mm STUD
Torque: 3.9 ~ 5.4 N*m

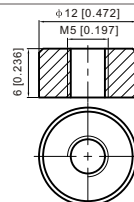
■ **T11 Terminal**



Copper Alloy; Threaded Insert 8mm STUD
Torque: 11~14.7 N*m



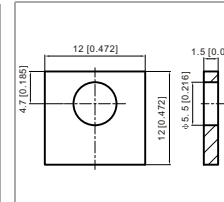
- **T12 Terminal**



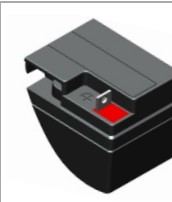
Copper Alloy; Threaded Insert 5mm STUD
Torque: 2.0 ~ 3.0 N*m



■ T3-H Terminal



Brass Coated With Tin Torque: 3.9 ~ 5.4 N*m



Note: The figures above show the appearance and dimension. For the positioning on each battery model, please check the specification