

Product Catalog

Batteries



CSB | **Powering Possibilities**
Energizing Tomorrow

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希世比能源科技股份有限公司
CSB Energy Technology Co., Ltd.

About Us

We're a global manufacturer of high-quality VRLA batteries powering critical applications in 100+ countries.

Our batteries are engineered for reliable performance, long life, and durability in demanding environments across the globe.

We combine advanced, application-specific design with a strong commitment to sustainability—improving efficiency, supporting responsible manufacturing, and promoting recycling.

Founded on decades of battery expertise, we have built a reputation for consistent quality and performance across telecom, UPS, and industrial markets.

Backed by a trusted global network, we deliver dependable, eco-conscious energy solutions worldwide.



5 INTERNATIONAL BRANCHES

 GLOBAL HQ  BRANCH  FACTORY

GLOBAL HQ & APAC BRANCH

11F, No. 150, Sec. 4, Chengde Rd., Shilin
Dist. Taipei City 111052, Taiwan (R.O.C.)

AMERICAS BRANCH

4008 Clay Avenue, Suite 210
Haltom City, TX 76117, U.S.A

CHINA BRANCH

Room 2304, You You International Plaza, No. 76
Pujian Road, Shanghai, China

EMEA BRANCH

Keurmeesterstraat 28-30
2984 BA Ridderkerk, The Netherlands

SHENZHEN BRANCH

Room 209, Floor 2, Building A, Xincheng Plaza, No. 86
Puxia Road, Liuyue Community, Henggang Street,
Longgang District, Shenzhen, China PC: 518102



2 MANUFACTURING FACILITIES

TAIWAN FACTORY

No.16, Gongye W. Rd., Erzhen Village, Guantian
District, Tainan City 720008, Taiwan (R.O.C.)

VIETNAM FACTORY

4 Street, Nhon Trach 3IP, Second Phase, Phuoc
An Commune, Dong Nai City, Vietnam 815960

Mission Statement

OUR MISSION FOR TODAY

We power possibilities by creating a sustainable future for all with our forward-thinking products focusing on delivery of quality power + energy storage.

OUR VISION FOR TOMORROW

Our goal is to energize tomorrow by becoming the premier power and energy partner across the world to solve challenges through our guiding principles of Creativity, Sincerity, and Belief



CREATIVITY

We think outside the status-quo to solve customer electrification problems with world-class existing products & development of new solutions.



SINCERITY

We use our customer-first approach through superior service and support from start to finish.



BELIEF

We have the confidence to solve these electrification challenges through our diverse team culture of talented employees and partners.

Choosing the Right Battery

Understanding Battery Ratings

Battery performance is defined by standardized industry ratings to provide a consistent way to compare batteries based on capacity, size, and starting performance across different applications.



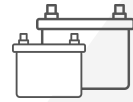
KW POWER CAPACITY (kW)

kW (kilowatt): A unit of power that measures the rate at which electricity is being used or delivered at a specific moment



AMP HOUR RATING (AH)

Ah (amp-hour): A unit of electric charge capacity that indicates how much current a battery can deliver over a period of time (current $\times$ time)



KWH CAPACITY (kWh)

kWh (kilowatt-hour): A unit of energy that measures the total amount of electricity used or supplied over time (power $\times$ time)

Understanding these key measurements of energy and power helps ensure proper battery selection for intended application and reliable operation.

Critical Considerations When Selecting a New Battery

SIZING

- In most applications, physical dimensions are fixed.
- Replacement batteries must conform to existing space and terminal configurations.
- BCI group size provides a standardized reference to ensure proper fit and compatibility.

ENERGY OR POWER REQUIREMENTS

- Battery selection should align with the application's load profile.
- Starting applications require high short-duration current to initiate engine turnover.
- Cyclic applications require sustained energy delivery over extended periods to support continuous loads or accessory usage.
- Where both high starting power and ongoing energy demand are required, a dual-purpose solution is appropriate.

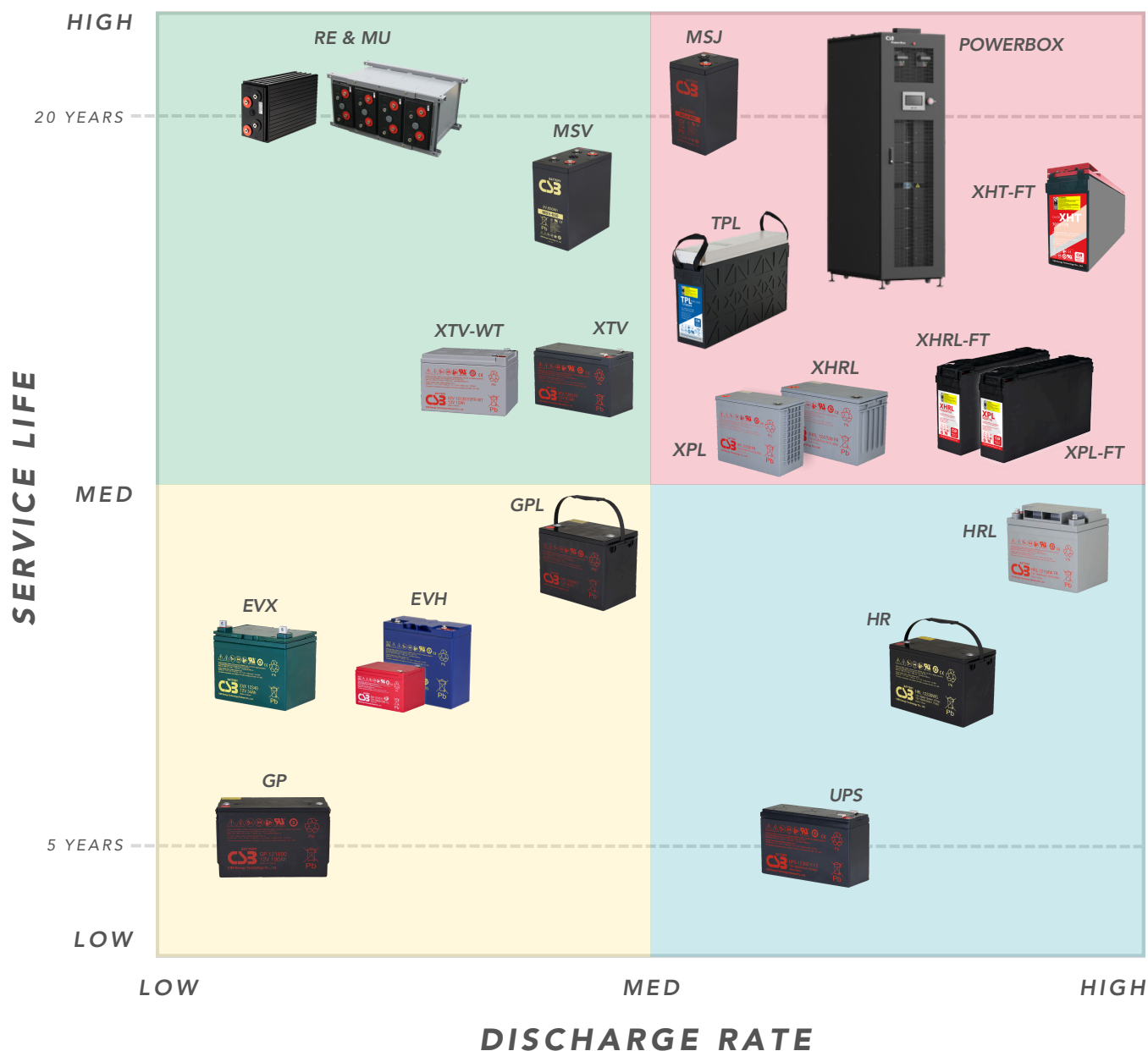
INVESTMENT CONSIDERATIONS

- Battery chemistry impacts both upfront cost and long-term value.
- Lead acid solutions typically offer lower initial cost and are well-suited for short-term or cost-sensitive applications.
- Lithium technologies provide reduced maintenance and longer service life, resulting in lower total cost of ownership over extended operating periods.

Match Your Application

Every battery solution balances three priorities: the physical space it occupies, the power or energy it needs to deliver, and the runtime it must sustain. The chart below maps CSB's complete product family across critical performance dimensions—how long and how quickly it releases that power/energy.

Use the quadrant to locate products suited to your application's demands. High service life, lower discharge rate applications (like backup power systems) cluster in the lower left.



Once you've identified your product family, turn to the applications section on the following pages for detailed specifications, configuration options, and sizing guidance tailored to your specific needs.

Match Your Application

Product Line	Chemistry	Capacity	Discharge Rate	Service Life	Best For
EVH Series	Lead Acid	14 - 39 AH	Medium	5 - 7 Years	Cyclic/Frequent Discharge
EVX Series	Lead Acid	7.2 - 75 AH	Low	5 - 7 Years	Cyclic/Frequent Discharge
GP Series	Lead Acid	4.5 - 100 AH	Low	5 Years	General Purpose
GPL Series	Lead Acid	7.2 - 100 AH	Medium	10 Years	General Purpose
HR Series	Lead Acid	18 - 120 WPC	High	5 Years	Data Center & UPS
HRL Series	Lead Acid	10 - 540 WPC	High	10 Years	Data Center & UPS
MSJ Series	Lead Acid	150 - 1000 AH	Medium	20 Years	Telecom, Utility
MSV Series	Lead Acid	200 - 1000 AH	Medium	15 Years	Telecom, Utility
MU Series	Lead Acid	900 - 1500 AH	Low to Medium	20 Years	Telecom, Utility
PowerBox	Lithium-Ion	320 kW	Medium to High	20 Years	Data Center, UPS
RE Series	Lead Acid	1200 - 1700 AH	Low to Medium	20 Years	Renewable Energy
TPL Series	Lead Acid	40 - 200 AH	Medium	12 Years	Telecom
UPS Series	Lead Acid	240 - 580 WPC	High	5 Years	Data Center & UPS
XHRL Series	Lead Acid	170 - 650 WPC	High	10 Years	Data Center & UPS
XHRL-FT Series	Lead Acid	600 - 900 WPC	High	10 Years	Data Center & UPS
XHT-FT Series	Lead Acid	700 - 900 WPC	Very High	12+ Years	Data Center & UPS
XPL Series	Lead Acid	200 - 670 WPC	High	10 Years	Data Center & UPS
XPL-FT Series	Lead Acid	700 - 900 WPC	Very High	10 Years	Data Center & UPS
XTV Series	Lead Acid	7.2 - 110 AH	Medium	12 Years	Telecom
XTV-WT Series	Lead Acid	7.2 - 20 AH	Medium	12 Years	Wind Turbine

Discharge rates and service life may vary on a variety of factors such as application, cycling patterns, and temperature.

Discharge Rates: Very High - 30sec to 15min High - 5m to 90m Medium - 90m to 4hr Low - 4hr+



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Don't size your battery system on a guess.

CSBattSizer™ is CSB's intelligent battery sizing tool, built to take the guesswork out of specifying backup power. Feed it your application data and it tells you exactly what configuration meets your load, runtime, and reliability requirements.

No spreadsheets. No back-of-the-envelope math. No oversized banks "just to be safe."

What CSBattSizer™ does for you:

- Matches the right battery to your actual load profile
- Calculates runtime against your real-world demand
- Sizes to IEEE Std 485 for multi-step duty cycles
- Models charging time, heat, ventilation, and gassing
- Right-sizes your system so you stop paying for capacity you don't need

Four Ways to Size:

Standard Sizing — Unknown Configuration

You know the load. We'll tell you the battery. Single-step load, unknown configuration.

Standard Sizing — Known Configuration

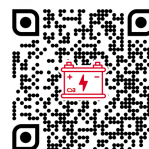
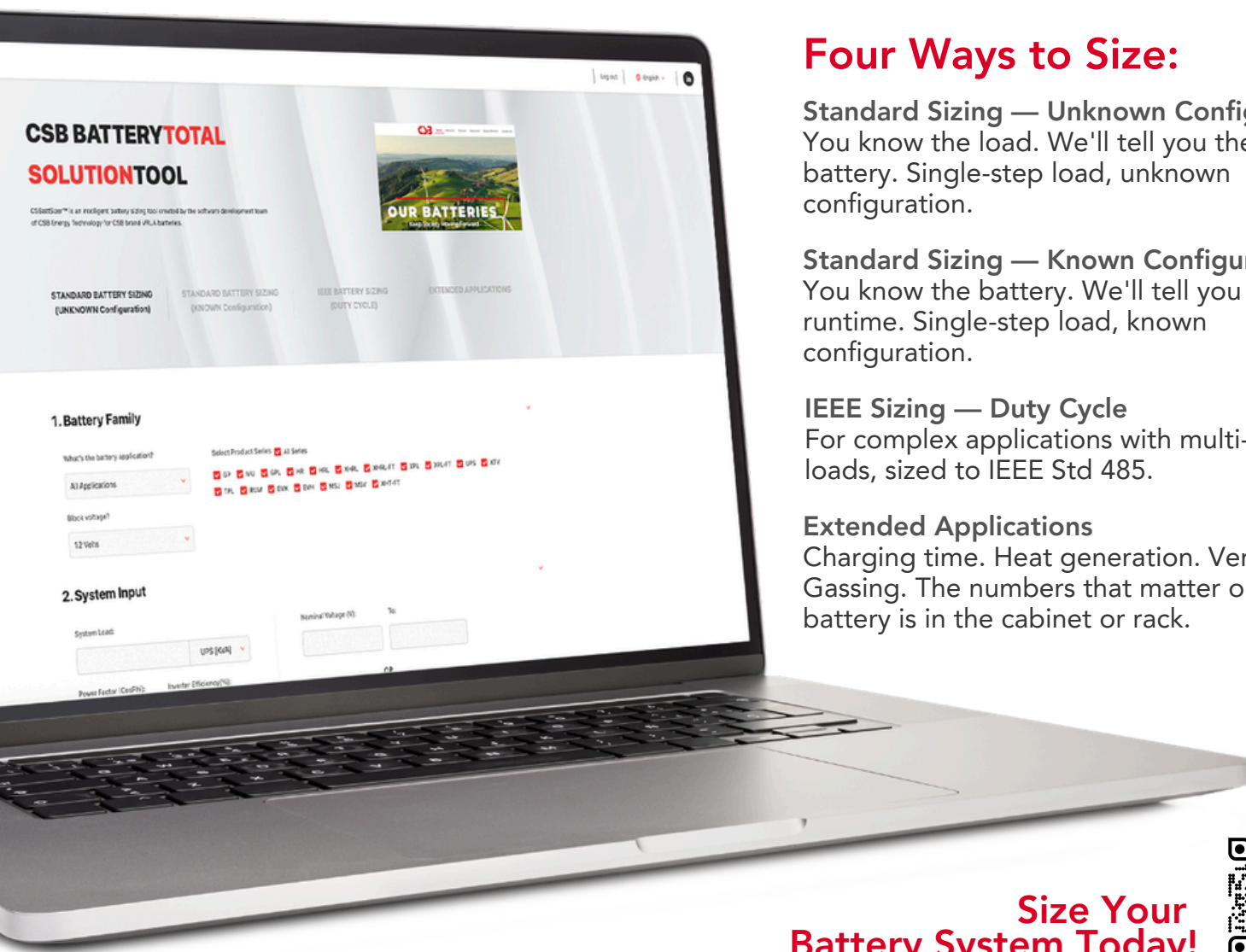
You know the battery. We'll tell you the runtime. Single-step load, known configuration.

IEEE Sizing — Duty Cycle

For complex applications with multi-step loads, sized to IEEE Std 485.

Extended Applications

Charging time. Heat generation. Ventilation. Gassing. The numbers that matter once the battery is in the cabinet or rack.



Size Your Battery System Today!



General Purpose



From safety and security to point-of-sale and facility controls, GP and GPL batteries deliver reliable standby power across a wide range of everyday applications.



**Reliable Power for
Everyday Systems**



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Powering Possibilities, Energizing Tomorrow

GENERAL PURPOSE

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Applications

Float Service Standby Power

CSB's **GP Series** are dependable, maintenance-free VRLA-AGM batteries designed for a wide range of standby uses such as security, emergency lighting, medical, and other various applications.

Our **GP Series** delivers reliable everyday backup power, while the GPL Series offers extended service life for more demanding applications. Both are ideal choices for commercial and industrial power needs.

Key Features

- Pure Lead Valve Regulated Lead Acid (VRLA) Battery
- Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%
- Built in Accordance with IEC 61056-1/2:2012 & IEC 60896-21/22:2004
- UL1973 Listed (MH66728) & UL1989 Recognized (MH14533)
- Certified by TUV NORD according to ISO 9001:2015

Model	Voltage	Ah	Weight (kg)	L (mm)	W (mm)	H (mm)	Terminal	Bolt
GP645	6	4.5	0.87	70.0	48.0	107.5	F1 / F2	Faston Tab - .187 / .250
GP672	6	7.2	1.22	151.0	34.0	100.7	F1 / F2	Faston Tab - .187 / .250
GP6120	6	12	1.85	151.0	50.0	100.5	F1 / F2	Faston Tab - .187 / .250
GP1245	12	4.5	1.66	92.8	69.9	107.7	F1 / F2	Faston Tab - .187 / .250
GP1272	12	7.2	2.40	150.9	64.8	98.6	F1 / F2	Faston Tab - .187 / .250
GP12120	12	12	3.67	151.0	98.0	100.3	F1 / F2	Faston Tab - .187 / .250
GP12170	12	17	5.50	181.0	76.2	167.0	B1 / B3 / B1B / I1	M5
GP12200	12	20	5.80	181.0	76.0	165.0	I1	M5
GP12260	12	26	8.45	166.0	175.0	125.0	B1 / B3 / B1B / I1	M5
GP12340	12	34	10.48	195.6	130.0	178.3	B5	M6
GP12400	12	40	12.92	197.0	165.0	170.4	B2 / B8 / I2	M5 / M6
GP12650	12	65	20.00	349.4	166.0	174.9	B4 / I2	M6
GP121000	12	100	30.60	343.0	170.0	216.9	I2	M6
GP1245 (12V16W)	12	16WPC	1.34	90.0	70.0	106.1	F1 / F2	Faston Tab - .187 / .250
GP1272 (12V25W)	12	24.5WPC	1.84	150.9	64.8	98.6	F1 / F2	Faston Tab - .187 / .250
GP1272 (12V28W)	12	28WPC	2.10	150.9	64.8	98.6	F1 / F2	Faston Tab - .187 / .250

*Ah @ 20hr-rate to 1.75V per cell @ 25°C (77°F). Charging Voltage for Standby Use: 2.275±0.025 V/Cell at 25°C (77°F); Temp. Coefficient: -3.3mV/°C

Terminal Types

See Terminal Guide on page 33 for terminal drawings.

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Our **GPL Series**, standing for general purpose long-life, builds on the success of our GP Series by extending overall service life for general purpose applications.

Designed for versatility, the **GPL Series** supports a wide range of applications from medical equipment to emergency systems and more.

Key Features

- Pure Lead Valve Regulated Lead Acid (VRLA) Battery
- Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%
- Built in Accordance with IEC 61056-1/2:2012 & IEC 60896-21/22:2004
- UL1973 Listed (MH66728) & UL1989 Recognized (MH14533)
- Certified by TUV NORD according to ISO 9001:2015

Applications

 Float Service Standby Power

Model	Voltage	Ah	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Terminal	Bolt
GPL1272	12	7.2	2.60	150.9	64.8	98.6	F1 / F2	Faston Tab - .187 / .250
GPL12120	12	12	4.10	151.0	98.0	100.3	F1 / F2	Faston Tab - .187 / .250
GPL12260	12	26	8.30	166.0	175.0	125.0	B1 / B3 / B1B / I1	M5
GPL12400	12	40	12.92	197.0	165.0	170.4	B8 / I2	M5 / M6
GPL12520	12	52	17.80	228.0	138.4	206.3	I2	M6
GPL12650	12	65	20.80	349.4	166.0	174.9	B4 / I2	M6
GPL12750	12	75	25.60	261.0	168.5	213.5	I2	M6
GPL12800	12	80	25.60	261.0	168.5	213.5	I2	M6
GPL12800G	12	80	25.60	277.0	168.5	213.5	I2	M6
GPL12850	12	85	25.60	261.0	168.5	213.5	I2	M6
GPL12880	12	88	29.70	308.7	169.0	213.6	I2	M6
GPL121000	12	100	33.50	343.0	170.0	216.9	I2	M6
GPL121000S	12	100	29.3	308.7	169.0	213.6	I2	M6
GPL121100	12	110	33.1	343.0	170.0	216.9	I2	M6

*Nominal Capacity: 20hr-rate to 1.75V per cell @ 25°C (77°F)
Charging Voltage for Standby Use: 2.275±0.025 V/Cell at 25°C (77°F); Temp. Coefficient: -3.3mV/°C

Terminal Types

See Terminal Guide on page 33 for additional terminal drawings.

Scan for More Information



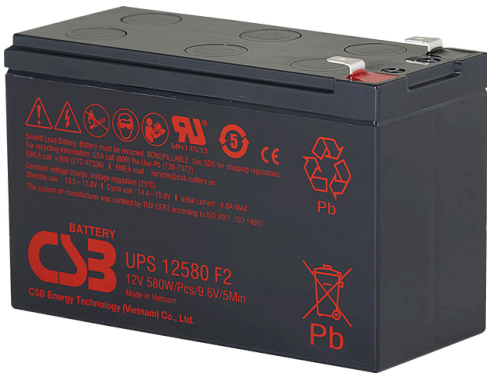
Data Center & UPS



From backup power to infrastructure support, our data center products deliver dependable energy across a wide range of mission-critical applications.



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Standing for uninterruptible power supply, the **UPS Series** is the first in our lineup of premium solutions for high power discharge applications. Well suited for data centers, enterprise IT systems, network closets, and other uptime-critical environments.

Using wafer-thin plate technology and a proprietary formula, the **UPS Series** supports critical systems by delivering high-rate performance to keep your operations running smoothly.

Key Features

- Pure Lead Valve Regulated Lead Acid (VRLA) Battery
- Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%
- Built in Accordance with IEC 61056-1/2:2012 & 60896-21/22:2004
- UL1973 Listed (MH66728) & UL1989 Recognized (MH14533)
- Certified by TUV NORD according to ISO 9001:2015

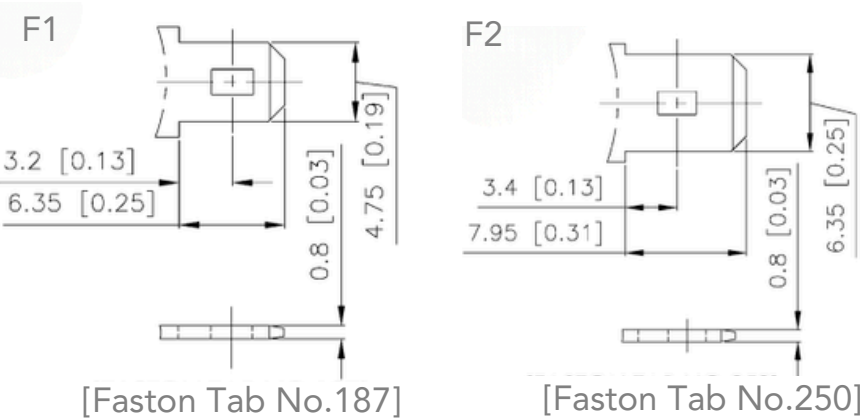
Applications

- High Rate UPS
- Float Service Standby Power

Model	Voltage	WPC	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Terminal	Bolt
UPS122406	12	240	1.46	150.9	51.0	98.6	F1 / F2	Faston Tab - .187 / .250
UPS123606	12	360	1.97	150.9	51.0	98.6	F1 / F2	Faston Tab - .187 / .250
UPS123607	12	360	2.00	150.9	64.8	98.6	F1 / F2	Faston Tab - .187 / .250
UPS12460	12	460	2.50	150.9	64.8	98.6	F2	Faston Tab - .250
UPS12580	12	580	2.83	150.9	64.8	98.6	F2	Faston Tab - .250
RUM6290	6	290	1.46	150.9	34.0	98.6	F2	Faston Tab - .250

*Nominal Capacity: 15min-rate to 1.67V per cell @ 25°C (77°F)
Charging Voltage for Standby Use: 2.275±0.025 V/Cell at 25°C (77°F); Temp. Coefficient: -3.3mV/°C

Terminal Types



Scan for More Information



The **HR Series**, standing for high rate, delivers dependable backup power for smaller output applications. Ideal for business systems where short-duration performance is critical.

Commonly used in UPS systems, backup power units, and other essential electronics, our **HR Series** provides consistent power when it matters most.

Key Features

- Pure Lead Valve Regulated Lead Acid (VRLA) Battery
- Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%
- Built in Accordance with IEC 61056-1/2:2012 & 60896-21/22:2004
- UL1973 Listed (MH66728) & UL1989 Recognized (MH14533)
- Certified by TUV NORD according to ISO 9001:2015

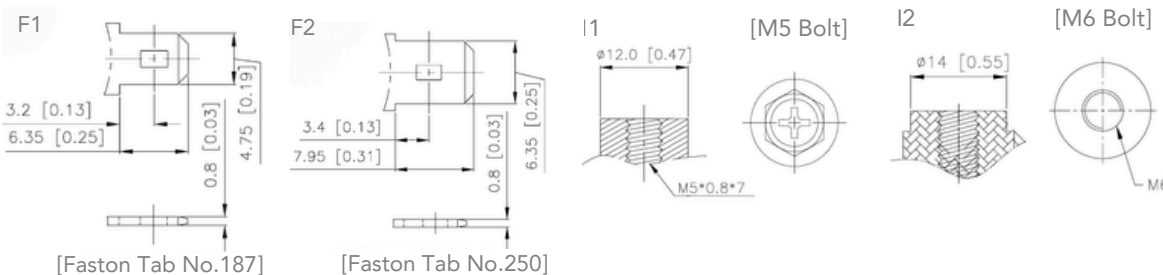
Applications

- High Rate UPS
- Float Service Standby Power

Model	Voltage	WPC	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Terminal	Bolt
HR1218W	12	18	1.53	150.9	51.0	98.6	F2	Faston Tab - .250
HR1221W	12	21	1.80	90.0	70.0	106.1	F1 / F2	Faston Tab - .187 / .250
HR1224W	12	24	1.95	150.9	51.0	98.6	F1 / F2	Faston Tab - .187 / .250
HR1227W	12	27	1.97	90.0	70.0	106.1	F1 / F2	Faston Tab - .187 / .250
HR1232W	12	32	2.34	150.9	64.8	98.6	F2	Faston Tab - .250
HR1234W	12	34	2.50	150.9	64.8	98.6	F2	Faston Tab - .250
HR1251W	12	51	3.85	151.0	98.0	100.3	F2	Faston Tab - .250
HR1290W	12	90	6.60	181.0	76.0	167.0	I1	M5
HR12120W	12	120	10.20	166.0	125.0	175.0	I1	M5

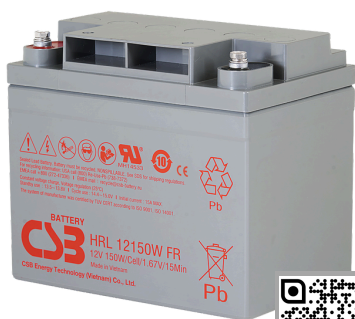
*Nominal Capacity 15min-rate to 1.67V per cell @ 25°C (77°F)
Charging Voltage for Standby Use: 2.275±0.025 V/Cell at 25°C (77°F); Temp. Coefficient: -3.3mV/°C

Terminal Types - HR & HRL Series



Scan for More Information





Applications



High Rate UPS



Float Service Standby Power

The **HRL Series**, standing for high-rate long life, builds on the performance of our HR and UPS lines to support demanding high-power backup applications. Designed for systems that require both high discharge capability and extended service life, the **HRL Series** is ideal for UPS systems, data centers, and other critical infrastructure.

Key Features

- Pure Lead Valve Regulated Lead Acid (VRLA) Battery
- Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%
- Built in Accordance with IEC 61056-1/2:2012 & 60896-21/22:2004
- UL1973 Listed (MH66728) & UL1989 Recognized (MH14533)
- Certified by TUV NORD according to ISO 9001:2015

Model	Voltage	WPC	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Terminal	Bolt
HRL634W	6	34	1.32	150.9	34.0	98.6	F2	Faston Tab - .250
HRL1210W	12	10	1.10	178.0	34.0	70.5	F2	Faston Tab - .250
HRL1225W	12	25	1.95	90.0	70.0	106.1	F2	Faston Tab - .250
HRL1234W	12	34	2.70	150.9	64.8	98.6	F2	Faston Tab - .250
HRL1250W	12	50	3.90	151.0	98.0	100.3	F2	Faston Tab - .250
HRL1280W	12	80	6.60	181.0	76.0	165.0	I1	M5
HRL12110W	12	110	9.90	166.0	125.0	175.0	I1	M5
HRL12150W	12	150	11.95	195.6	130.0	174.8	I2	M6
HRL12150WG	12	150	11.95	195.6	130.0	172.0	I2	M6
HRL12200W	12	200	17.30	228.0	138.4	206.3	I2	M6
HRL12280W	12	280	25.80	261.0	168.5	213.5	I2	M6
HRL12330W	12	330	29.60	308.7	169.0	213.6	I2	M6
HRL12330WG	12	330	29.60	324.7	169.0	213.5	I2	M6
HRL12390W	12	390	33.00	343.0	170.0	216.9	I2	M6
HRL12540W	12	540	43.90	343.0	170.0	275.7	I2	M6
HRL12540WG	12	540	43.90	343.0	170.0	275.7	I2	M6

*Nominal Capacity 15min-rate to 1.67V per cell @ 25°C (77°F)
Charging Voltage for Standby Use: 2.275±0.025 V/Cell at 25°C (77°F); Temp. Coefficient: -3.3mV/°C

Terminal Types

See HR Series on page 13 or Terminal Guide on page 33 for terminal drawings.

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The **XPL Series** is our premium solution for high-rate backup power applications across North America, South America, and Asia-Pacific markets. Building on the proven designs of our HR, UPS, and HRL lines, the **XPL Series** pushes performance further.

With enhanced power density and extended service life, these top terminal batteries are built for demanding environments where space, reliability, and high discharge performance are critical.

Key Features

- Pure Lead Valve Regulated Lead Acid (VRLA) Battery
- Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%
- Built in Accordance with IEC 60896-21/22:2004
- UL1973 Listed (MH66728) & UL1989 Recognized (MH14533)
- Certified by TUV NORD according to ISO 9001:2015

Applications



High Rate UPS

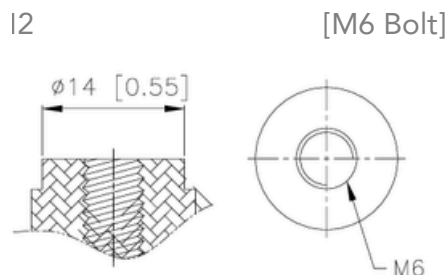


Float Service Standby Power

Model	Voltage	WPC	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Terminal	Bolt
XPL2000	12	173	13.58	197.0	165.0	170.4	I2	M6
XPL2200	12	201	16.65	228.0	138.4	206.3	I2	M6
XPL2700	12	252	18.52	228.0	138.4	206.3	I2	M6
XPL3500	12	318	25.80	261.0	168.5	213.5	I2	M6
XPL4200	12	370	28.20	261.0	168.5	213.5	I2	M6
XPL4700	12	438	33.00	308.7	169.0	213.6	I2	M6
XPL5700	12	502	36.90	343.0	170.0	213.6	I2	M6
XPL6700	12	651	47.90	343.0	170.0	275.7	I2	M6

*Nominal Capacity 15min-rate to 1.67V per cell @ 25°C (77°F)
Charging Voltage for Standby Use: 2.275±0.025 V/Cell at 25°C (77°F); Temp. Coefficient: -3.3mV/°C

Terminal Types



Scan for More Information



The **XPL-FT Series** is our premium solution for high-rate backup power, featuring a front terminal design optimized for maximum power density in short-duration applications up to 30 seconds. It builds on the performance of our HR, UPS, and HRL lines, pushing capabilities even further for today’s most demanding environments.

Engineered with pure lead construction and a unique separator design, the **XPL-FT Series** delivers exceptional high-rate performance and extended service life.

Designed specifically for data center applications across North America, South America, and Asia-Pacific markets, these batteries provide reliable, space-efficient power for critical systems where performance and accessibility are essential.

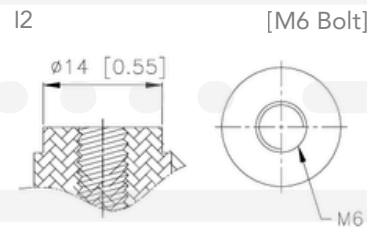
Key Features

- Pure Lead Valve Regulated Lead Acid (VRLA) Battery
- Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%
- Built in Accordance with IEC 60896-21/22:2004
- UL1973 Listed (MH66728) & UL1989 Recognized (MH14533)
- Certified by TUV NORD according to ISO 9001:2015

Applications

-  High Rate UPS
-  Float Service Standby Power

Terminal Types



Specifications

Model	Voltage	WPC	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Terminal	Bolt
XPL7000FT	12	642	49.70	558.0	126.0	255.0	I2	M6
XPL7700FT	12	719	54.00	558.0	126.0	255.0	I2	M6
XPL8000FT	12	821	65.30	558.0	126.0	323.0	I2	M6
XPL9000FT	12	907	69.50	558.0	126.0	323.0	I2	M6

*Nominal Capacity 15min-rate to 1.67V per cell @ 25°C (77°F). Charging Voltage for Standby Use: 2.275±0.025 V/Cell at 25°C (77°F); Temp. Coefficient: -3.3mV/°C





The **XHRL Series** is our premium offering in high-rate power backup applications meant for EMEA markets, taking HR, UPS, and HRL designs even further to provide extended service life and even higher power density in both front and top terminal designs.

Key Features

- Pure Lead Valve Regulated Lead Acid (VRLA) Battery
- Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%
- Built in Accordance with IEC 60896-21/22:2004
- UL1973 Listed (MH66728) & UL1989 Recognized (MH14533)
- Certified by TUV NORD according to ISO 9001:2015

Applications



High Rate UPS

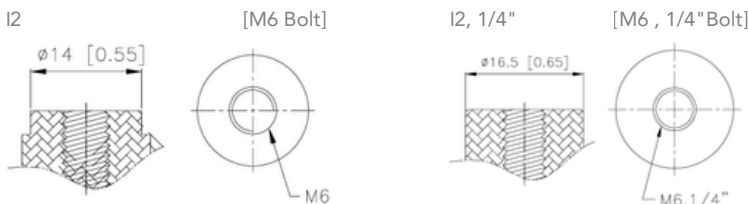


Float Service Standby Power

Model	Voltage	WPC	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Terminal	Bolt
XHRL12170W	12	170	13.58	197.0	165.0	170.4	I2	M6
XHRL12250W	12	250	18.52	228.0	138.4	206.3	I2	M6
XHRL12360W	12	360	28.30	261.0	168.5	213.5	I2	M6
XHRL12360WG	12	360	28.30	277.0	168.5	213.5	I2	M6
XHRL12410W	12	410	32.60	308.7	169.0	213.6	I2	M6
XHRL12410WG	12	410	32.60	324.7	169.0	213.6	I2	M6
XHRL12475W	12	475	36.20	343.0	170.0	216.6	I2 / (1/4")	M6 / (1/4")
XHRL12500W	12	500	36.90	343.0	170.0	216.6	I2	M6
XHRL12620W	12	620	47.20	343.0	170.0	275.7	I2	M6
XHRL12620WG	12	620	47.20	343.0	170.0	275.7	I2	M6
XHRL12650W	12	650	47.90	343.0	170.0	275.7	I2	M6
XHRL12650WG	12	650	47.20	343.0	170.0	275.7	I2	M6

*Nominal Capacity 15min-rate to 1.67V per cell @ 25°C (77°F)
Charging Voltage for Standby Use: 2.275±0.025 V/Cell at 25°C (77°F); Temp. Coefficient: -3.3mV/°C

Terminal Types



Scan for More Information



The **XHRL-FT Series** is our premium solution for high-rate backup power, featuring a front terminal design optimized for maximum power density in short-duration applications up to 30 seconds. It builds on the performance of our HR, UPS, and HRL lines, pushing capabilities even further for today’s most demanding environments.

Engineered with pure lead construction and a unique separator design, the **XHRL-FT Series** delivers exceptional high-rate performance and extended service life.

Designed specifically for data center applications across North America, South America, and Asia-Pacific markets, these batteries provide reliable, space-efficient power for critical systems where performance and accessibility are most demanding.

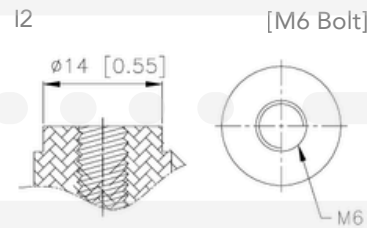
Key Features

- Pure Lead Valve Regulated Lead Acid (VRLA) Battery
- Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%
- Built in Accordance with IEC 60896-21/22:2004
- UL1973 Listed (MH66728) & UL1989 Recognized (MH14533)
- Certified by TUV NORD according to ISO 9001:2015

Applications

-  High Rate UPS
-  Float Service Standby Power

Terminal Types



Model	Voltage	WPC	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Terminal	Bolt
XHRL12600WFTFR	12	642	49.7	558.0	126.0	255.0	I2	M6
XHRL12720WFTFR	12	719	54.0	558.0	126.0	255.0	I2	M6
XHRL12800WFTFR	12	821	65.3	558.0	126.0	323.0	I2	M6
XHRL12900WFTFR	12	907	71.1	558.0	126.0	323.0	I2	M6

*Nominal Capacity: 15min-rate to 1.67V per cell @ 25°C (77°F). Charging Voltage for Standby Use: 2.275±0.025 V/Cell at 25°C (77°F); Temp. Coefficient: -3.3mV/°C





Calor XHT-FT Series stands alone as the problem-solver to help data center operators meet sustainability goals with reduced cooling costs, extend battery replacement life, and perform at extreme power discharge requirements.

Our **Calor XHT-FT Series** can deliver maximum power within 30 seconds to ensure connectivity stays intact in extreme elevated temperature environments. Optional front and top terminal connections available for easy installation and maintenance.

Model	Voltage	WPC	Wt. (kg)	L (mm)	W (mm)	H (mm)	Terminal	Bolt
XHT7000FT	12	642	50.90	558.0	126.0	257.0	I2	M6
XHT7700FT	12	719	54.00	558.0	126.0	257.0	I2	M6
XHT8000FT	12	821	66.60	558.0	126.0	323.0	I2	M6
XHT9000FT	12	907	71.10	558.0	126.0	323.0	I2	M6

*Nominal Capacity 15min-rate to 1.67V per cell @ 25°C (77°F)
Charging Voltage for Standby Use: 2.275±0.025 V/Cell at 25°C (77°F); Temp. Coefficient: -3.3mV/°C

Key Features

- Pure Lead Valve Regulated Lead Acid (VRLA) Battery
- Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%
- Built in Accordance with IEC 60896-21/22:2004
- UL1973 Listed (MH66728) & UL1989 Recognized (MH14533)
- Certified by TUV NORD according to ISO 9001:2015

Applications

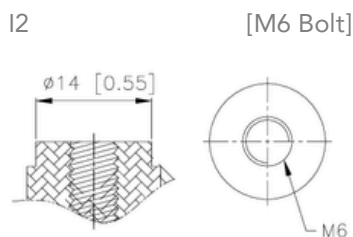


High Rate UPS



Float Service Standby Power

Terminal Types



Scan for More Information



NEW!

720WPC @ 15 Min Rate

Now Available to Order!

The **PowerBox** is the first lithium-ion battery system introduced by CSB, engineered to deliver high-power performance for mission-critical applications in a compact, space-saving design.

Utilizing advanced lithium iron phosphate technology, the **PowerBox** rapidly delivers maximum available kW while providing exceptional energy density, fast recharge capability, and long operational life.

Designed for data centers and UPS systems ranging from enterprise to hyperscale environments, the **PowerBox** supports demanding AI, cloud, and critical infrastructure workloads with scalable performance up to 300kW per rack at 512Vdc. Its intelligent Level-3 Battery Management System provides real-time monitoring, advanced fault detection, and enhanced battery protection to ensure reliable operation.

Key Features

- Lithium Iron Phosphate (LiFePO4) Battery Cabinet
- Scalable Power for AI, Cloud, and Critical UPS Loads
- Modular Rack Design for Easy Maintenance
- Level 3 BMS with Real-Time Monitoring, Fault Detection, and Advanced Battery Protection
- Individual Thermal Protection on Each Battery Module for Enhanced Safety

Voltage	Capacity	Wt. (kg)	H (mm)	W (mm)	D (mm)
512VDC	300kW	1100	2000	600	1000

Applications



High Rate UPS



Float Service Standby Power



Scan for More Information

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E-Mobility



From charging systems to onboard electronics, our e-mobility products deliver reliable power across a wide range of modern mobility applications.



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The **EVX Series** provides energy storage for applications like e-scooters, recreational vehicles, BEV AUX, and medical applications.

Engineered for repeated charge and discharge cycles, the **EVX Series** delivers reliable performance over time. Designed for applications requiring consistent power and long-term durability.

Applications



E-Mobility



Deep Cycle

Key Features

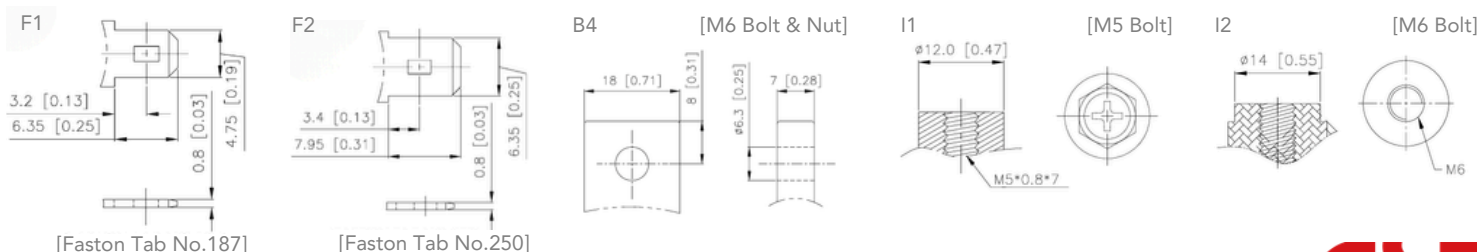
- Pure Lead Valve Regulated Lead Acid (VRLA) Battery
- Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%
- Built in Accordance with IEC 60254-1:2005 & IEC 60254-2:2008
- UL1973 Listed (MH66728) & UL1989 Recognized (MH14533)
- Certified by TUV NORD according to ISO 9001:2015

Model	Voltage	Ah	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Terminal	Bolt
EVX1272	12	7.2	2.55	150.9	64.8	98.6	F1 / F2	Faston Tab - .187 / .250
EVX12120	12	12	3.83	151.0	98.0	100.3	F1 / F2	Faston Tab - .187 / .250
EVX12170	12	17	5.67	181.0	76.2	167.0	B1 / B1B / B3	M5
EVX12200	12	20	6.55	181.0	76.0	165.0	I1	M5
EVX12260	12	26	8.65	166.0	175.0	125.0	B1 / B1B / B3B / I1	M5
EVX12300	12	30	10.40	166.0	125.0	175.0	I1	M5
EVX12340	12	34	10.77	195.6	130.0	178.3	B5	M6
EVX12400	12	40	13.20	197.0	165.0	170.4	B8 / I2	M5 / M6
EVX12520	12	52	17.87	228.0	138.4	219.3	B4	M6
EVX12650	12	65	22.20	349.4	166.0	174.9	B4 / I2	M6
EVX12750	12	75	25.60	277.0	168.5	232.5	B6	M6

*Nominal Capacity: 20hr rate to 1.75V per cell @ 25°C (77°F). Charging Voltage for Cycle Use: 2.45±0.05 V/Cell at 25°C (77°F); Temp. Coefficient: -5.0mV/°C

Terminal Types

See EVH Series on page 23 or Terminal Guide of page 33 for terminal drawings.





The **EVH Series** improves upon the EVX series with improved cycle life capabilities with purpose-built energy storage for e-mobility applications like e-scooters, recreational vehicles, BEV AUX, and medical based applications (ie: wheelchairs, medical devices, etc.)

Key Features

- Pure Lead Valve Regulated Lead Acid (VRLA) Battery
- Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%
- Built in Accordance with IEC 60254-1:2005 & IEC 60254-2:2008
- UL1973 Listed (MH66728) & UL1989 Recognized (MH14533)
- Certified by TUV NORD according to ISO 9001:2015

Applications



E-Mobility

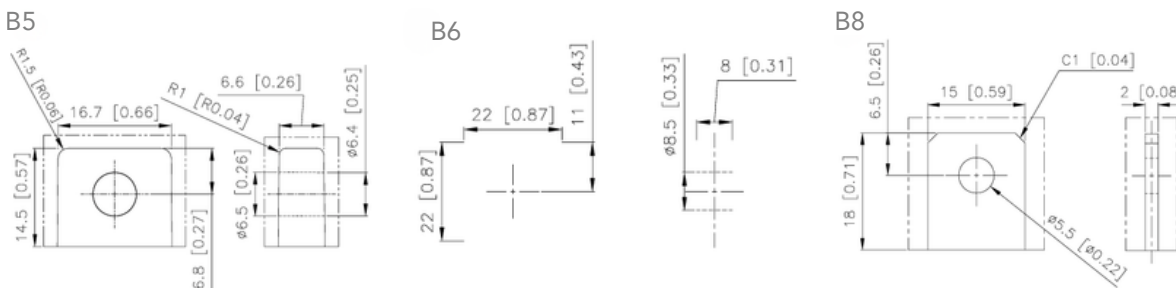
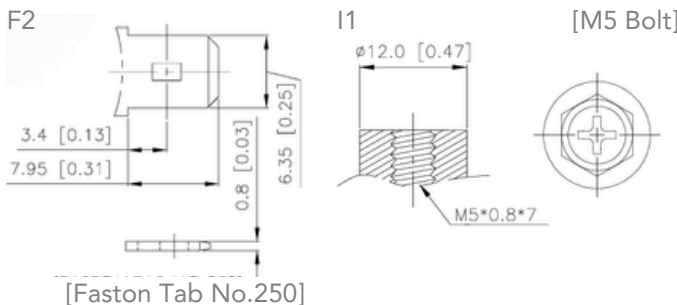


Deep Cycle

Model	Voltage	Ah	Wt. (kg)	L (mm)	W (mm)	H (mm)	Terminal	Bolt
EVH12140	12	14	4.33	151.0	98.0	98.4	F2	Faston Tab - .250
EVH12150	12	15	4.60	151.0	98.0	101.8	F2	Faston Tab - .250
EVH12240	12	24	7.55	181.0	76.2	170.0	I1	M5
EVH12390	12	39	11.5	195.6	130.0	178.3	B5	M6

*Nominal Capacity: 20hr rate to 1.75V per cell @ 25°C (77°F).
Charging Voltage for Cycle Use: 2.45±0.05 V/Cell at 25°C (77°F); Temp. Coefficient: -5.0mV/°C

Terminal Types - EVH & EVX Series



Scan for More Information



Telecommunications



From network infrastructure to backup systems, our telecom products deliver reliable performance across a wide range of communication applications.



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TELECOMMUNICATIONS

24

TPL stands for Telecom Power and Long Life. The **TPL series** is a front terminal, high performance battery option for emergency backup, ITS, electrical, and controls in telecom and broadband giving long-duration power in multiple hours.

TPL Series front terminal design can reduce installation space by 40~50%, save 50% installation time and cut down maintenance costs, giving the battery more flexible installation and maintenance in 19" & 23" relay rack and cabinet enclosures.

Key Features

- Pure Lead Valve Regulated Lead Acid (VRLA) Battery
- Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%
- Built in Accordance with IEC 60896-21/22:2004
- UL1973 Listed (MH66728) & UL1989 Recognized (MH14533)
- Certified by TUV NORD according to ISO 9001:2015

Applications



Telecommunications

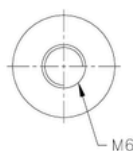


High Capacity Float
Service Standby Power

Terminal Types

I2

[M6 Bolt]



Model	Voltage	Ah	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Terminal	Bolt
TPL12400TFR	12	40	15.00	280.0	105.0	195.0	I2	M6
TPL12600TFR	12	60	21.20	280.0	105.0	260.0	I2	M6
TPL121000FR	12	100	38.30	511.6	110.0	255.5	I2	M6
TPL121000TFR	12	100	34.80	390.0	105.0	280.0	I2	M6
TPL121250AFR	12	125	44.70	547.0	124.8	320.3	I2	M6
TPL121600FR	12	160	54.80	547.0	124.8	320.3	I2	M6
TPL121800FR	12	180	55.10	547.0	124.8	320.3	I2	M6
TPL122000FR	12	200	59.70	560.0	124.0	323.0	I2	M6

*Nominal Capacity: 20hr rate to 1.75V per cell @ 25°C (77°F)
Charging Voltage for Standby Use: 2.275±0.025 V/Cell at 25°C (77°F); Temp. Coefficient: -3.3mV/°C



Scan for More
Information



The **MSV Series** introduces a 2V cell solution designed for emergency backup and long-duration performance in large-scale installations. Lightweight and built for up to 15 years of standby service, it supports high-capacity energy demands over time.

Ideal for telecom networks and float service standby applications, the **MSV Series** delivers stable power for central offices, switching stations, and other critical infrastructure where uptime is essential.

Key Features

- Pure Lead Valve Regulated Lead Acid (VRLA) Battery
- Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%
- Built in Accordance with IEC 60896-21/22:2004
- UL1973 Listed (MH66728) & UL1989 Recognized (MH14533)
- Certified by TUV NORD according to ISO 9001:2015

Model	Voltage	Ah	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Terminal	Bolt
MSV-200	2	200	13.60	170.0	106.0	339.0	I4	M8
MSV-300	2	300	18.20	170.0	150.0	339.0	I4	M8
MSV-400	2	400	24.90	197.0	170.0	339.0	I4	M8
MSV-500	2	500	31.20	241.0	171.0	339.0	I4	M8
MSV-650	2	650	41.40	307.0	171.0	339.0	I4	M8
MSV-800	2	800	50.60	373.0	174.0	339.0	I4	M8
MSV-1000	2	1000	64.40	471.0	171.0	339.0	I4	M8

*Nominal Capacity 20hr-rate to 1.75V per cell @ 25°C (77°F)
Charging Voltage for Standby Use: 2.275±0.02 V/Cell at 25°C (77°F); Temp. Coefficient: -3.3mV/°C

Applications



Telecommunications



High Capacity Float
Service Standby Power

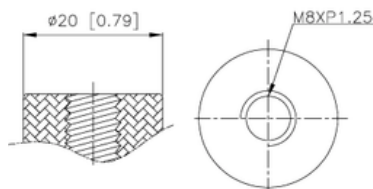


**Scan for More
Information**

Terminal Types

I4

[M8 Bolt]





The **MSJ Series** builds on the MSV line with a design life up to 20 years in standby service. It is engineered for long-duration discharge in large-scale stationary power systems.

Ideal for telecommunications and other critical infrastructure, our **MSJ Series** delivers reliable energy where long service life and consistent backup power are essential.

Key Features

- Pure Lead Valve Regulated Lead Acid (VRLA) Battery
- Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%
- Built in Accordance with IEC 60896-21/22:2004
- UL1973 Listed (MH66728) & UL1989 Recognized (MH14533)
- Certified by TUV NORD according to ISO 9001:2015

Model	Voltage	Ah	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Terminal	Bolt
MSJ-150	2	150	12.80	170.0	106.0	339.0	I4	M8
MSJ-200	2	200	15.00	170.0	106.0	339.0	I4	M8
MSJ-260	2	260	18.70	170.0	131.0	339.0	I4	M8
MSJ-300	2	300	21.80	170.0	150.0	339.0	I4	M8
MSJ-400	2	400	28.60	197.0	170.0	339.0	I4	M8
MSJ-500	2	500	36.50	241.0	171.0	339.0	I4	M8
MSJ-650	2	650	46.60	307.0	171.0	339.0	I4	M8
MSJ-800	2	800	56.70	373.0	174.0	339.0	I4	M8
MSJ-1000	2	1000	72.80	471.0	171.0	339.0	I4	M8

*Nominal Capacity 20hr-rate to 1.75V per cell @ 25°C (77°F)
Charging Voltage for Standby Use: 2.275±0.02 V/Cell at 25°C (77°F); Temp. Coefficient: -3.3mV/°C

Applications



Telecommunications

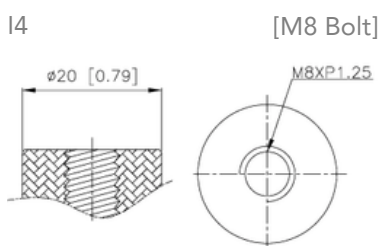


High Capacity Float
Service Standby Power



**Scan for More
Information**

Terminal Types





The **MU Series** builds on the MSV and MSJ lines by increasing capacity per 2V cell while maintaining extended service life.

Designed for large-scale applications that require both high energy capacity and long-term reliability.

With a design life of up to 20 years in standby service, our **MU Series** is well suited for demanding stationary power systems where consistent performance and extended backup duration are required.

Key Features

- Pure Lead Valve Regulated Lead Acid (VRLA) Battery
- Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%
- Built in Accordance with IEC 60896-21/22:2004
- UL1973 Listed (MH66728) & UL1989 Recognized (MH14533)
- Certified by TUV NORD according to ISO 9001:2015

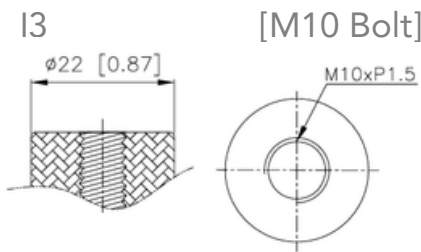
Applications

- Telecommunications
- High Capacity Float Service Standby Power

Model	Voltage	Ah	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Terminal	Bolt
MU900S	2	900	55.90	303.0	172.0	497.0	I3	M10
MU1000	2	1000	54.50	303.0	172.0	497.0	I3	M10
MU1000S	2	1000	62.50	303.0	172.0	497.0	I3	M10
MU1500S	2	1500	91.50	437.0	172.0	497.0	I3	M10

*Nominal Capacity: 20hr-rate to 1.75V per cell @ 25°C (77°F). Charging Voltage for Standby Use: 2.23±0.02 V/Cell at 25°C (77°F); Temp. Coefficient: -3.3mV/°C

Terminal Types



Scan for More Information





The **XTV Series** is specifically designed telecommunications and float service standby application in extreme temperatures (-20 to 50°C) for ITS, electrical, and controls.

Our **XTV Series** uses an innovative plate structure to extend service life under harsh conditions by up to 12 years in standby service. Newly formulated lead paste sustains performance while reducing thermal runaway risk.

Key Features

- Pure Lead Valve Regulated Lead Acid (VRLA) Battery
- Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%
- Built in Accordance with IEC 61056-1/2:2012 & IEC 60896-21/22:2004
- UL1973 Listed (MH66728) & UL1989 Recognized (MH14533)
- Certified by TUV NORD according to ISO 9001:2015

Applications



Telecommunications

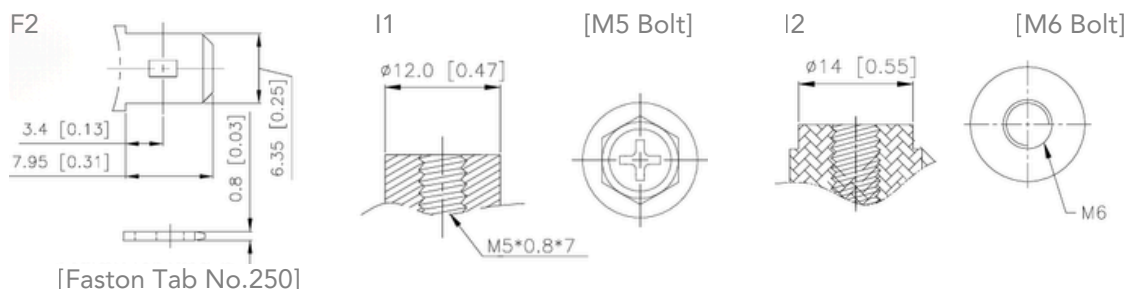


Float Service Standby Power
in Extreme Temperatures

Model	Voltage	Ah	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Terminal	Bolt
XTV1272	12	7.2	2.57	150.9	64.8	98.6	F2	Faston Tab - .250
XTV1285	12	8.5	2.62	150.9	64.8	98.6	F2	Faston Tab - .250
XTV12120	12	12	4.10	151.0	98.0	101.8	F2	Faston Tab - .250
XTV12200	12	20	6.35	181.0	76.0	165.0	I1	M5
XTV12550	12	55	17.90	228.0	138.4	206.3	I2	M6
XTV12800	12	80	25.50	261.0	168.5	213.5	I2	M6
XTV121000	12	100	30.20	308.7	169.0	213.6	I2	M6
XTV121100	12	110	34.20	343.0	170.0	216.9	I2	M6

*Nominal Capacity 20hr-rate to 1.75V per cell @ 25°C (77°F)
Charging Voltage for Standby Use: 2.275±0.025 V/Cell at 25°C (77°F); Temp. Coefficient: -3.3mV/°C

Terminal Types



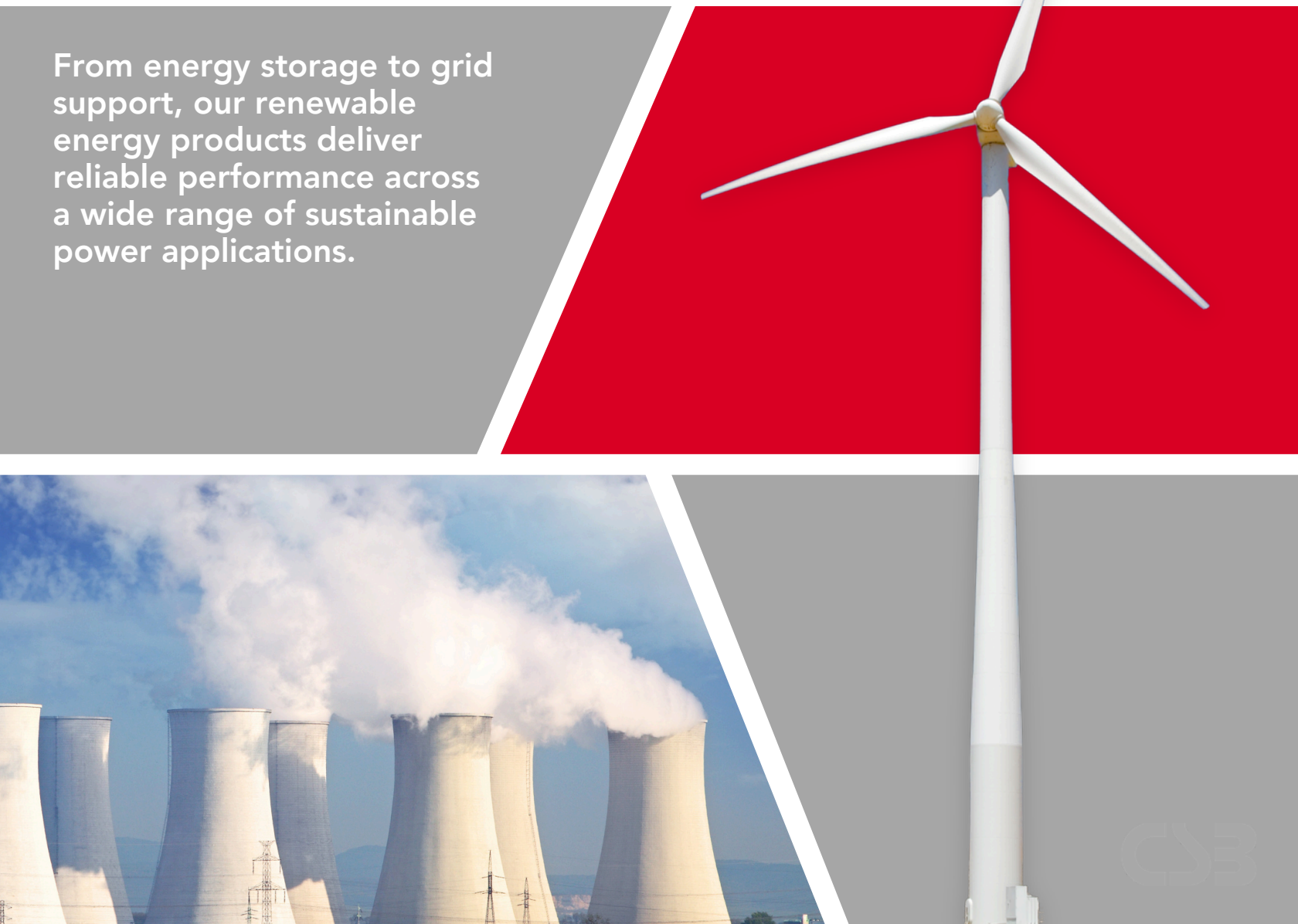
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Information



Renewable Energy



From energy storage to grid support, our renewable energy products deliver reliable performance across a wide range of sustainable power applications.



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The **XTV-WT Series** is purpose built for renewable energy applications, specifically into wind-turbine applications where high cycling, extreme vibration, and harsh environmental conditions exist.

XTV-WT Series batteries use an exclusive VRLA pure lead technology which increases charging efficiency, operation in high-vibration environment, and better cycle performance compared to general purpose batteries.

Applications



Wind Turbines



Renewable Energy

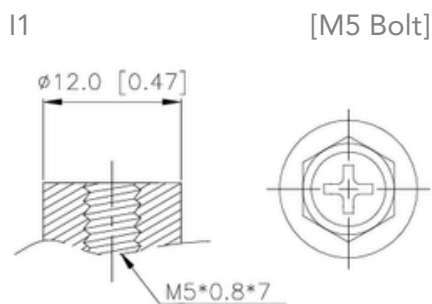
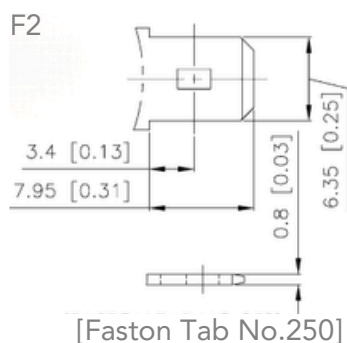
Key Features

- Pure Lead Valve Regulated Lead Acid (VRLA) Battery
- Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%
- Built in Accordance with IEC 61056-1/2:2012 & IEC 60896-21/22:2004
- UL1973 Listed (MH66728) & UL1989 Recognized (MH14533)
- Certified by TUV NORD according to ISO 9001:2015

Model	Voltage	Ah	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Terminal	Bolt
XTV1272F2FR-WT	12	7.2	2.57	150.9	64.8	98.6	F2	Faston Tab - .250
XTV12120F2FR-WT	12	12	4.10	151.0	98.0	101.8	F2	Faston Tab - .250
XTV12200FR-WT	12	20	6.35	181.0	76.0	165.0	I1	M5

*Nominal Capacity: 20hr rate to 1.75V per cell @ 25°C (77°F).
Charging Voltage for Cycle Use: 2.45±0.05 V/Cell at 25°C (77°F); Temp. Coefficient: -5.0mV/°C

Terminal Types



Scan for More Information





The **RE Series** is purpose built for high cycling, long-life, renewable energy storage long duration applications.

Exclusive lead carbon technology increases charging efficiency and cycle performance under Partial State of Charge ("PSoC"). Combined with our proprietary pure-lead construction, **RE Series** provides best-in-class cycling performance for VRLA-AGM technology on the market.

Key Features

- Pure Lead Valve Regulated Lead Acid (VRLA) Battery
- Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%
- Built in Accordance with IEC 61056
- UL1973 Listed (MH66728) & UL1989 Recognized (MH14533)
- Certified by TUV NORD according to ISO 9001:2015

Applications



Renewable Energy



High Capacity Float
Service Standby Power

Model	Voltage	Ah	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Terminal	Bolt
RE1200	2	1200	73.8	303.0	172.0	497.0	I3	M10
RE1700	2	1700	110.0	437.0	172.0	497.0	I3	M10
48RE1200	48	1200	2007.2	55.4	112.3	170.9	I3	M10

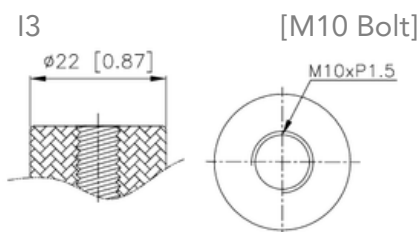
*Nominal Capacity: 20hr rate to 1.75V per cell @ 25°C (77°F).
Charging Voltage for Cycle Use: 2.45±0.05 V/Cell at 25°C (77°F); Temp. Coefficient: -5.0mV/°C

The **RE 48V Series** provides a complete 48V solution using 2V RE building blocks, including cabinet and required hardware. Designed for renewable energy systems that demand high cycling and long-duration storage.

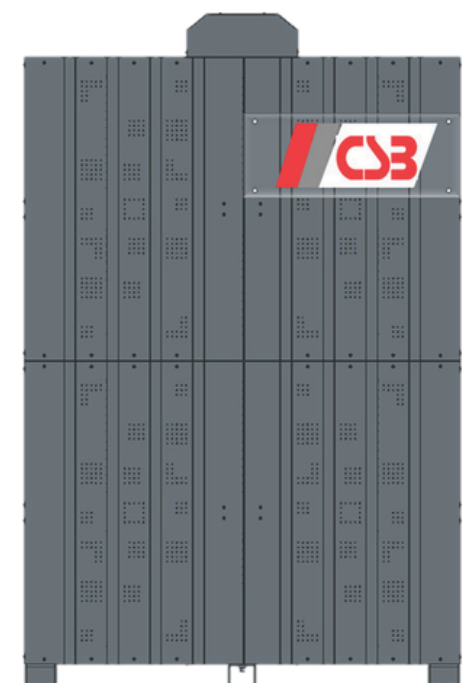
Key Features

- 48VDC, 1200Ah, 57.6 kWh Nameplate Energy Capacity
- 3800 Cycles @ 50% Depth of Discharge (DoD)
- Up to 20 Year Design Life in Standard Service
- 10-Year Full Replacement Warranty
- UL1973 Listed (MH66728) & UL1989 Recognized (MH14533)

Terminal Types

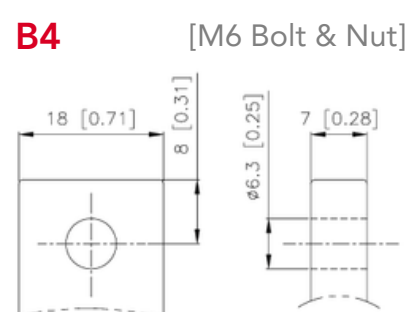
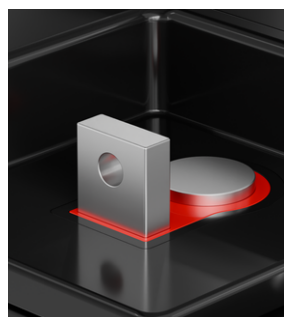
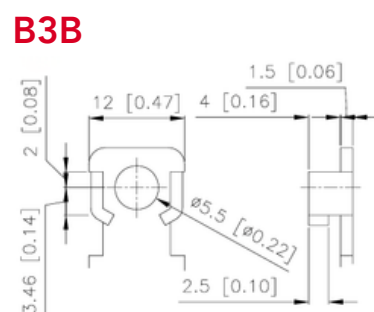
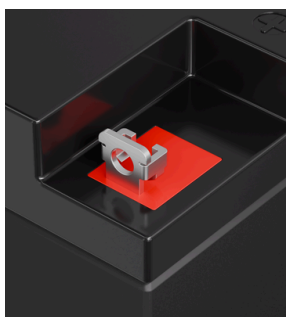
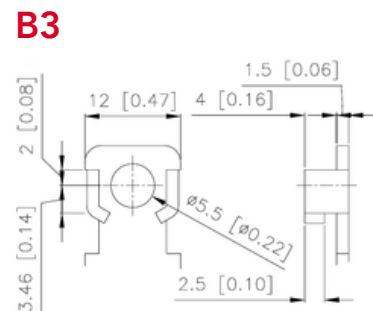
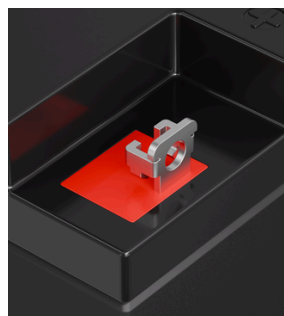
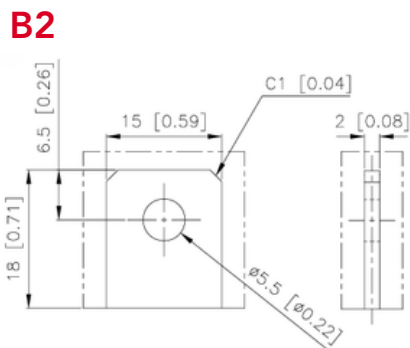
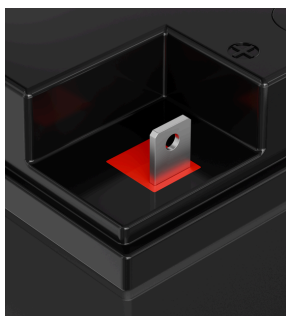
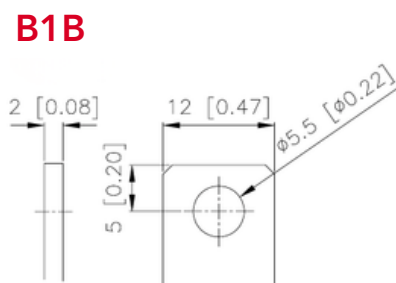
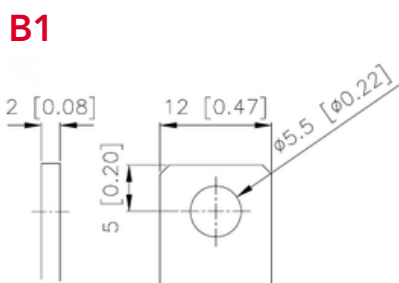
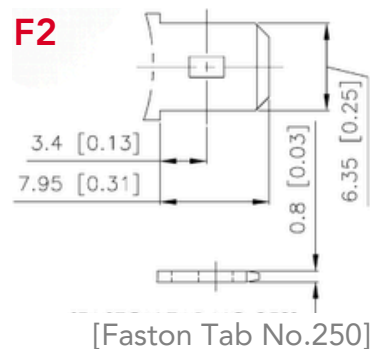
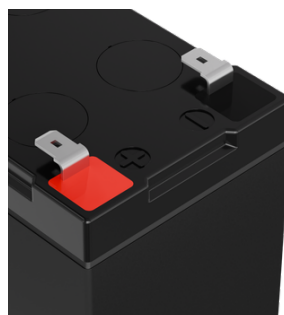
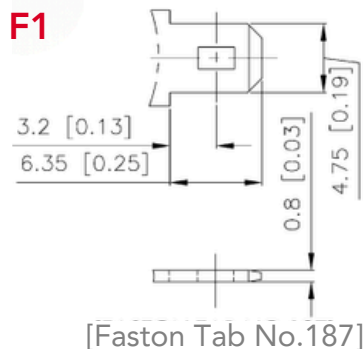


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Information



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Terminal Guide

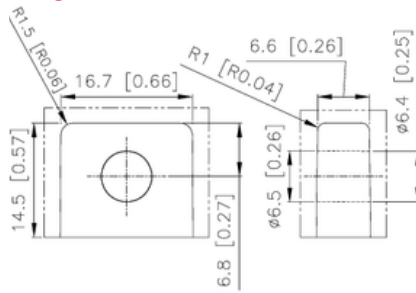


Terminal configurations and sizing may vary by product line and SKU number. Contact your sales representative to determine best fit

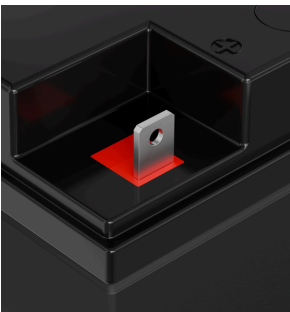
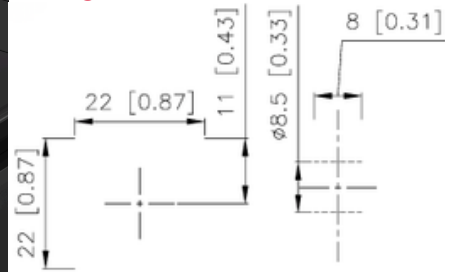
Terminal Guide



B5

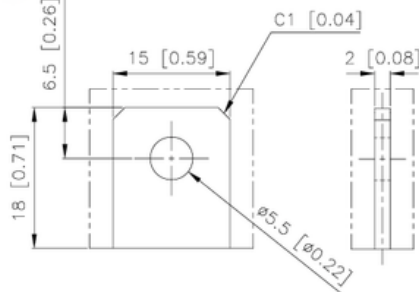


B6



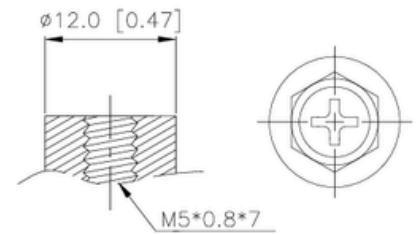
B8

Discontinued - See B2



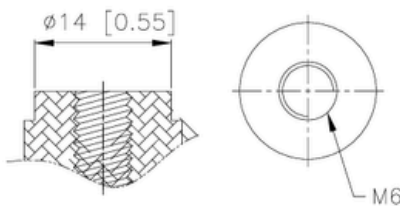
I1

[M5 Bolt]



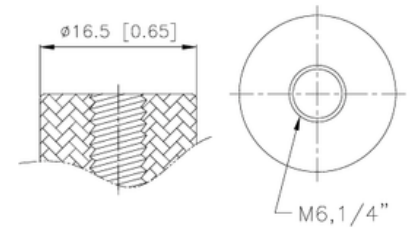
I2

[M6 Bolt]



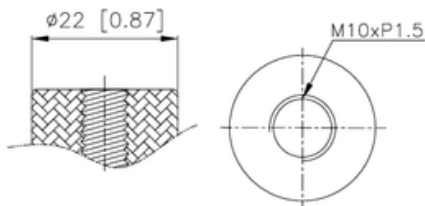
I2 - 1/4

[M6, 1/4" Bolt]



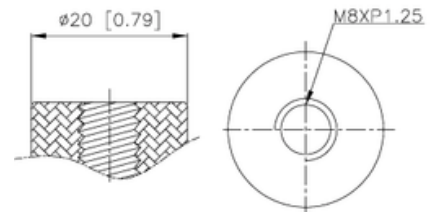
I3

[M10 Bolt]



I4

[M8 Bolt]



Terminal configurations and sizing may vary by product line and SKU number. Contact your sales representative to determine best fit

Commitment to Safety & Sustainability

Environmental Responsibility

As part of our commitment to sustainable manufacturing, CSB continues to reduce its environmental footprint through conscious sustainability initiatives. Our recent sustainability achievements include:

13%

REDUCTION IN ENERGY CONSUMPTION

through renewable energy deployment, upgraded equipment, and energy-efficient lighting

12%

REDUCTION IN WATER USAGE

through water conservation and re-use programs

SOLAR PANEL INSTALLATION

After successful implementation of a solar photovoltaic array at the Tainan manufacturing facility, CSB is expected to **eliminate** approximately **365 metric tons of CO₂ emissions annually**.

3%

REDUCTION IN WASTEWATER GENERATION

through water recycling and treatment initiatives

2.3%

REDUCTION IN GREENHOUSE GAS EMISSIONS Y-O-Y

CSB facilities maintain internationally recognized environmental and energy management systems, including ISO 14001, ISO 45001, and ISO 50001 certifications.



Responsible Supply Chain

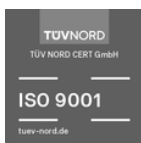
CSB promotes ethical sourcing and sustainable procurement practices throughout its supply chain. Suppliers are evaluated on quality, environmental performance, labor practices, occupational safety, and social responsibility standards. The company also maintains conflict-mineral compliance and critical raw material reporting programs.

Product Safety & Quality Certifications

CSB products are manufactured under rigorous quality management systems and tested to meet demanding global standards.

SAFETY CERTIFICATIONS

- **UL 1973 Listed:** Stationary, Vehicle Auxiliary Power, and Light Electric Rail Applications
- **UL 1989 Recognized:** Standby Battery Products
- **TUV NORD Certified:** to ISO 9001:2015 Quality Management System



QUALITY & COMPLIANCE STANDARDS

- ISO 14001 Environmental Management
- ISO 45001 Occupational Health & Safety
- ISO 50001 Energy Management
- ISO/IEC 17025 Accredited Reliability Laboratory
- REACH and RoHS Compliance
- BCI, CBI, EUROBAT, IEC, and other global industry standards

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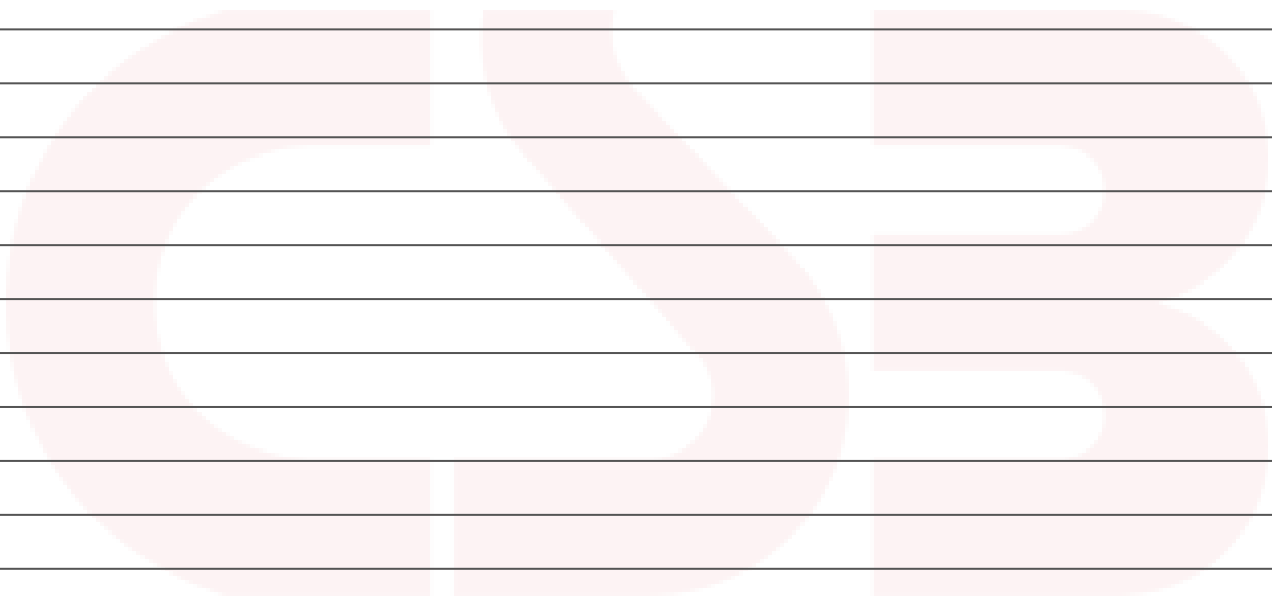
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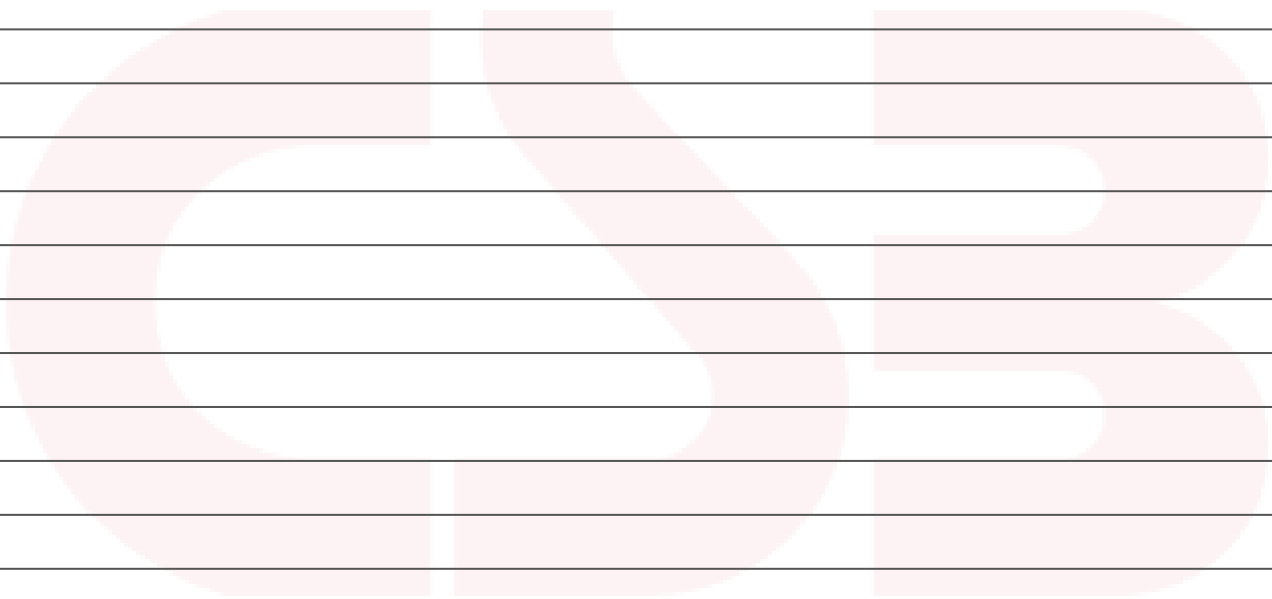
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Notes



Notes





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