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BATTERY ENERGY POWER SOLUTIONS

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PowerLYTE

PRODUCT RANGE

LONG LIFE PLATE TECHNOLOGY
RELIABLE & ROBUST
FOR STANDBY APPLICATIONS



batteryenergy
power solution to tomorrow's world

PREMIUM AGM BATTERY

FOR CRITICAL MISSION & STANDBY APPLICATIONS

PowerLYTE

TECHNOLOGY

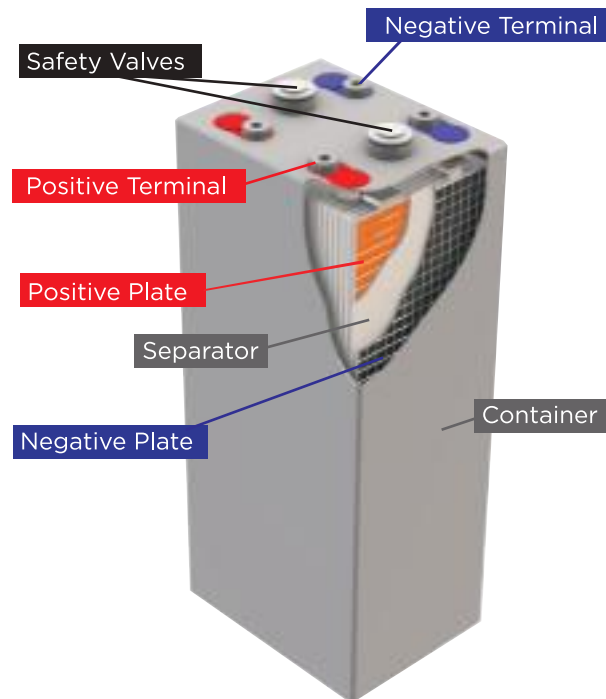
THICK PLATE ADVANCED CARBON TECHNOLOGY ROBUST | TEMPERATURE TOLERANT | LONG SERVICE LIFE

FOR STANDBY APPLICATIONS

Battery Energy has been supplying proven and reliable battery storage systems on and off grid for 30 years.

Battery Energy's Carbon Technology is industry leading and will continue to be installed in critical industrial standby applications with Australia's most innovative companies. When developing our technology in conjunction with the CSIRO there was a strong focus on delivering a product with superior cycling and life expectancies. The result is a product with unique chemical and molecular characteristics which, along with advanced production methods, differentiate it from other GEL batteries in the marketplace.

These superior life characteristics apply to both the battery's cycling performance and its ability to combat varying extreme environmental conditions. For the highest level of reliability, Battery Energy has the capability to design and customise products to meet increasing demands in the supply of Energy Storage for Solar, Communications, Rail, Oil & Gas, Power Generation & Transmission, UPS and Mining.



BENEFITS

- Developed by Battery Energy
- Extensive R&D for high performance, reliability & long life
- Designed to outlast other AGM batteries & provide ongoing support of critical applications
- ABS flame retardant container and cover
- Can be installed horizontally

TECH SPECS

DESIGN LIFE	15 YEARS* (*12V products are 12 year design life)
PLATE SEPARATOR	MICRO POROUS GLASS MAT
SAFETY VENT	BUNSEN SAFETY VALVE
SELF-DISCHARGE	3% PER MONTH
FLOAT VOLTAGE	2.25-2.275 VOLTS per CELL
BOOST CHARGE	2.30-2.35 VOLTS per CELL
EQUALIZATION CHARGE	2.30-2.35 VOLTS per CELL
SEALS	EPOXY WITH LONG-LIFE ADHESIVE
TERMINALS	M6/M8/M10 FEMALE INSERT
CASING	Flame-retardant UL94V-O & BS6334 FVO
COMPLIANCE	AS 4029.2, AS 4086.1, IEC 60896 21&22, IEC 896.2

KEY FEATURES

- Specifically designed corrosion resistant alloys
- High performance long life active material, carbons and robust thick plate technology
- High purity lead & analytical grade sulphuric acid
- Safety valve is designed with a built in ceramic filter to prevent spark ingress and explosion
- 100% cell testing prior to dispatch to ensure batteries are fully charged & prepared for reliable performance
- Built to last through superior design, high-quality materials and pride of workmanship

BATTERY RACK OPTION

High Energy density, capable of installing 48 Volts 1000Ah in 600 x 600mm footprint



Established in 1987, Battery Energy commenced as a specialist Battery Development & Manufacturing Company. From the outset the objective was to develop a maintenance free GEL and AGM battery technology which would substantially increase battery life in harsh climatic conditions.

Over the years Battery Energys technology has been significantly enhanced through ongoing development and improved proprietary manufacturing techniques. We offer and design a complete range of industrial batteries, with the technical expertise and flexibility to adapt existing products to suit a wide range of client needs, focusing on optimizing clients investments while delivering a world class solution.

Battery Energy is an award winning market leader in energy storage and is the only industrial battery manufacturer in Australia.

With an integrated manufacturing and support facility in Sydney and accompanied by increased capacity through its dual manufacturing capability in the South of China.

MODEL	NOMINAL VOLTAGE	C/24 to 1.80Vpc	C/10 to 1.75Vpc	LENGTH	WIDTH (mm)	HEIGHT	WEIGHT (kg)
PLFT 12-55	12	55.4	50.3	278	106	223	17.5
PL 12-60	12	59	57.8	222	121	250	20
PLFT 12-80	12	81.1	74.8	562	114	188	27.2
PLFT 12-100	12	100.8	91.9	508	111	227	33
PLFT 12-110T	12	110.9	100.9	394	110	290	33.8
PLFT 12-125	12	130.8	119.3	550	110	245	37.5
PLFT 12-160	12	161	146.7	550	110	287	47.3
PLFT 12-175	12	176.6	160.4	560	125	317	56
PXL 2V200	2	220.8	202	172	110	365	16
PXL 2V300	2	331.2	303	172	150	365	22.6
PXL 2V500	2	549.6	505	241	172	365	37.2
PL 4V500T	4	528	510	235	179	550	62.1
PL 2 850T	2	936	860	235	179	550	55.8
PXL 2V1000	2	1099.2	1010	474	175	366	73.5
PL 2V1000T	2	1128	1030	235	179	550	61.7