battery energy
power solutions for tomorrow's world

PowerLYTE+ PLFT12-110TC

Premium VRLA battery
12 Volts 110Ah

Reliable backup power is vital in the event of an emergency to protect you and your investment. Designed precisely for these moments, Battery Energy PowerLYTE batteries safeguard your critical systems when needed most.

Highlights:

- Innovative Plate design giving premium 15-year design life.
- Australian designed for critical applications.
- Proven track-record of reliability for peace of mind.
- Advanced Micro-Catalyst Technology.
- Can be Front terminal connection and horizontal orientation.
- 100% testing prior to dispatch to ensure batteries are fully charged and prepared for reliable performance.

PowerLYTE+ for longer life. High performance.

PowerLYTE+ batteries are designed for telecommunications rack power systems, roadside and fibre cabinets, UPS and data centres as well as emergency power and HV switching.

The innovative late design and Advanced Carbon-Catalyst Technology creates optimum charge efficiency and prolongs their life in higher temperature applications. These batteries are engineered to suffer less sulphation, corrosion and to prevent drying out ensuring they last.

Rack mountable with small footprint

PowerLYTE is designed to fit into compact spaces. The slim design takes up minimal space and primarily designed to mount into 19” racks.

Front terminal design (PLFT) makes installation and maintenance easier as well as ensuring the minimum space requirements to meet safety standards.

Designed for safety

Protection was paramount when developing the PowerLYTE products. With ABS fire retardant containers as standard, as well as fire arrestor vents, this battery exceeds all necessary safety standards.

Why choose Battery Energy?

Battery Energy Power Solutions deliver the combination of premier energy storage solutions, technical expertise and industry-leading experience all backed with continual support to give you peace of mind.

Specifications

Nominal voltage	12 Volts
Rated capacity (C/10 to 1.80 Vpc at 25°C)	110 Ah
Design life at 25°C	15 years

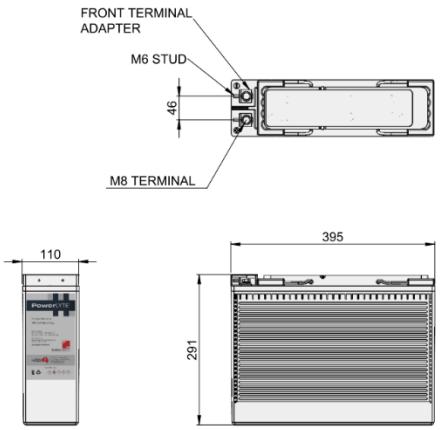
Mechanical characteristics

Length	395 mm
Width	110 mm
Height	291 mm
Weight	33.8 kg
Terminal	M8
Torque	8-10 N m

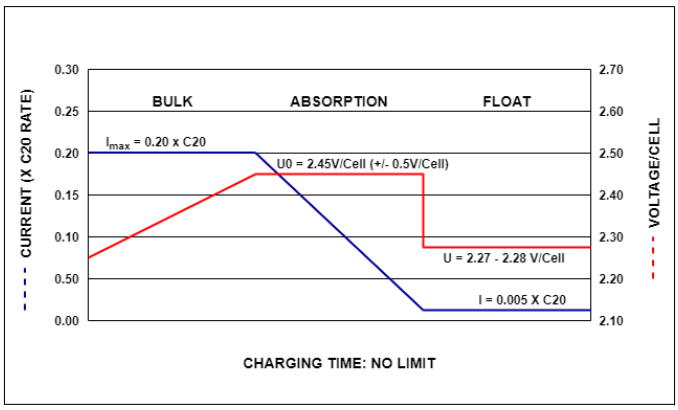
Operating conditions at 25°C

Capacity	C/10 to 1.80 Vpc	100 Ah
	C/3 to 1.75 Vpc	82 Ah
	C/1 to 1.70 Vpc	68 Ah
	C/15m to 1.65 Vpc	51 Ah
Internal resistance		3.3 mΩ
Maximum discharge current		1100 A
Short circuit current		2400 A
Charging (constant voltage)	Float	2.27-2.28 Vpc
Capacity temperature dependence		0.6% / °C
Self-discharge		3% / month
Operating temperature*		-20°C to 55°C

Battery dimensions



Charge Curve



Discharge Constant Current at 25˚C (Amperes)

End Vpc	5M	10M	15M	30M	45M	1H	2H	3H	4H	5H	8H	10H	12H	20H	24H
1.85	214	165	143	90	67	58	33.3	25.4	20.2	17.0	11.47	9.75	8.08	5.18	4.47
1.80	286	210	172	106	78	64	36.0	26.9	21.6	18.3	12.20	9.97	8.36	5.36	4.62
1.75	318	224	181	111	80	66	36.5	27.2	21.8	18.5	12.42	10.09	8.48	5.41	4.64
1.70	333	238	189	115	82	68	37.0	27.5	22.1	18.8	12.57	10.18	8.57	5.44	4.66

Discharge Constant Power at 25˚C (Watts per cell)

End Vpc	5M	10M	15M	30M	45M	1H	2H	3H	4H	5H	8H	10H	12H	20H	24H
1.85	396	309	270	172	129	113	64.4	49.4	39.2	33.3	22.40	18.96	15.38	9.95	8.78
1.80	517	383	317	198	147	122	69.6	52.0	41.7	35.7	23.80	19.33	16.23	10.43	9.06
1.75	567	402	326	204	152	125	69.9	52.5	42.2	36.0	23.97	19.52	16.40	10.52	9.10
1.70	588	423	337	208	153	126	70.3	52.6	42.4	36.2	24.05	19.60	16.52	10.58	9.14

***Temperature compensation required outside 20°C – 30°C**

For more information

Please contact your Battery Energy Sales Representative, call 1800 819 829 or visit our website: batteryenergy.com.au

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