

HIGH-DISCHARGE POUCH CELL

MX1-B01

SLPB6554146HPS



360 Wh/kg

GRAVIMETRIC DENSITY

11.05 Ah

TYPICAL CAPACITY

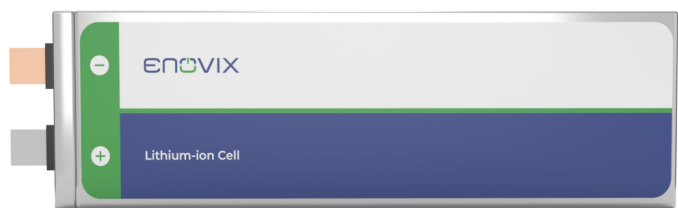
5 C

CONTINUOUS DISCHARGE

8 C

PULSE DISCHARGE

Cell



Dimensions

52.0±1.5 mm	144.5±1 mm	6.25±0.25 mm	106.5±2 g
Width	Length	Thick	Weight

Target Applications

Defense UAV

ISR Platforms

Commercial UAS

Loitering Munitions

VTOL

Payload Systems

Group 1-3 UAS



Secure Supply Chain

Manufactured at Enovix's dedicated facility, providing supply chain independence required by defense and enterprise OEM programs.

Performance Profile

Parameter	Value
Energy Density	
Volumetric	763 Wh/L
Gravimetric	360 Wh/kg
Capacity	
Typical	11.05 Ah
Minimum (C_{min})	10.80 Ah
Discharge	
Max Continuous	54 A (5 C)
Pulse (≤ 10 sec)	86.4 A (8 C)
Charge	
Standard	10.8 A (1 C)
Max Continuous	32.4 A (3 C)
Other	
Internal Resistance	≤ 6.0 m Ω
Cycle Life (80% Retention)	300 Cycles

Powering your Next-Gen Platform

- ➔ **Maximize Mission Time**
Best-in-class energy density extends flight duration and enables greater operational range without increasing system weight.
- ➔ **Reliable Power Delivery**
Sustained discharge supports advanced payloads, AI processing, and burst power needs without voltage sag or performance drop-off.
- ➔ **Recharge Faster**
High charge acceptance enables rapid turnaround between missions, minimizing downtime and keeping critical assets continuously deployed.
- ➔ **Deploy Immediately**
Lightweight, compact, drop-in design integrates seamlessly into existing platforms, backed by dedicated engineering support for fast adoption.

Request More Information
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The information on this Preliminary Cell Product Brief is believed to be accurate, is typical of the product in production, and is not a guarantee of performance. Specifications and characteristics are subject to change without notice.