



# 314 Ah LFP Cell

Abundant materials. Secure supply. Michigan-made.

Improving throughput,  
safety and durability.

Built in Michigan at our  
state-of-the-art cell factory.

Under the guidance of pioneers of LFP cell technology, ONE cells are manufactured right here in the U.S. — advancing our mission to create a local, sustainable supply chain while minimizing costs and environmental impact.

ONE cells are available in both flexible opposed terminal prismatic (OTP) and high-energy TTP form factors. Already rolling off our production line, ONE's LFP cells are leading America's transition away from nickel and cobalt-based batteries.


We expect to be fully IRA/OBBBA/USMCA/BABA-compliant, benefitting from IRA's \$35/kWh cell manufacturing credit.



Electrode mixing at ONE Circle, Van Buren, MI.



LFP cathode production at ONE Circle, Van Buren, MI.

 Contact [sales@one.ai](mailto:sales@one.ai)

Our Next Energy (ONE)  
45145 W 12 Mile Rd, Novi, MI 48377  
[one.ai/manufacturing](https://one.ai/manufacturing)





10,000

BESS cycles\*



100%

U.S. content for ITC

## Top-Terminal Prismatic (TTP) LFP

Chemistry	LFP // AG	
Capacity (25°C, 0.5C)	314 Ah	
Energy Density	Volumetric	390 Wh/L
	Gravimetric	185 Wh/kg
Mass	5.605 ± 0.084 kg	
Dimensions (H x W x T)	207.01 x 173.82 x 71.72 ± 0.5 mm	
Operating Voltage	2.5 – 3.2 – 3.65 V	
Discharge Rate	Max Continuous	1.0C
	Standard	0.5C
Charge Rate	Max Continuous	1.0C
	Standard	0.5C
Operating Temperature	Discharge	-30–60°C
	Charge	0–55°C
Cycle Life* (to >65% SOH; 25°C (0.5C/0.5C))	10,000 cycles	
Self-Discharge (25°C/1 month/100% SOC)	<3%	
Storage	Retention	>97%
	Recovery	>95%
DCIR (2C/30 s/50% SOC)	<0.4 mΩ	
EUCAR Hazard Testing Level (nail pen., crush, OC, OD, short-circuit)	<4	

\* Estimate assumes once-daily cycle at 25±3°C and 50% mean SoC, exceeding >65% SOH after 20 years. Cycle life is highly dependent on use; ONE can apply our Aries Analytics modeling platform to estimate cycle life for your application.

Built to last 20+ years and survive climate extremes, ONE's durable LFP//Gr cells are the ideal building blocks for large-scale, energy-dense applications.

GWh-scale production at ONE Circle, MI in 2028.



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