

300+ kW expanded graphite stack



Rated power
300+kW

The highest efficiency
68%

Highest rated efficiency
54%

Peak power density
4.0kW/L

Single plate thickness
0.65mm

Design life
30000h

PRODUCT PRESENTATION

The 300+kW high-power expanded graphite-plate stack independently developed by FTXT. The key components have been 100% localized, and the comprehensive performance indicators have reached the international advanced level. It can be flexibly adapted to commercial vehicles, ships, railways and other scenarios.

TECHNICAL HIGHLIGHTS

- High efficiency :The maximum efficiency reaches 68%,Rated efficiency reaches 54%;
- High compatibility :Modular design of the stack,Flexible adaptation Multiple application scenarios;
- High power density :The thickness of the single flexible graphite based BPP is 0.65mm,The thickness of the bipolar plate is less than 1.3mm;
- High reliability :Extensive application of expanded graphite material,The lowest BPP thickness in the industry;
- Low cost :Innovative drainage design of cathode and anode flow field;
- Long durability :Design life up to 30,000 hours.

Application scenario of 300+ kW expanded graphite stack

The product can be used in passenger cars, buses, BRT, rail trains, ships and heavy trucks and other scenarios, and also can be extended to aviation, hydrogen power generation, high-power standby power supply and other applications.



Breaking Frontiers in Technology, Fueling Tomorrow with Hydrogen

FTXT Energy Technology Co., Ltd.



12-B, NO.6755 Jiasong North Road, Jiading District, Shanghai, China
NO.2299 Chaoyang South Street, Lianchi District, Baoding, Hebei, China

0312-2196535

<https://en.ftxt-e.com>