Invest KOREA Market Place

Invest KOREA Market place (IKMP) is an online business matching platform available on Invest KOREA's website with information on approximately 300 Korean companies seeking to partner with foreign investors. This month, we introduce some outstanding companies in Korea's battery industry.

COMPANY A

LFP Battery pack products

Investment Requirement		Company Profile	
Amount	USD 2 million	**Patents and Certificates**	- Registered 2 patents, including high-discharge battery packs used in racing cars - 3 patents pending
Investment Structure	Equity Investment, Joint Venture	**Financial Performance**	(Sales in 2024) USD 0.5 million

Investment Highlights

Key characteristics of core technology

- The company's BMS technology detects and blocks possible problems inside the battery in advance
- High-performance energy-density technology allows smaller batteries to store more energy
- While typical lead-acid batteries have a cycle life of only about 150-300 cycles, its LFP batteries have a long lifespan of about 2,500 cycles or more

Competitiveness of core technology

- High-performance energy density technology and fast charging and discharging speed
- Long battery life and high cycle stability
- Introduction of economical and environmentally friendly production technologies for sustainable development

COMPANY B

Next-generation Portable Energy Storage

Green Generator

Investment Requirement		Company Profile	
Amount	USD 1 million	**Patents and Certificates**	Registered or applied for 12 patents relate d to detachable/ expandable energy storage devices and charging methods related to battery pack exchange, battery modules, power banks, and power bank charging systems
Investment Structure	Equity Investment, Joint Venture	**Financial Performance**	(Sales in 2024) USD 0.97 million

Investment Highlights

Key characteristics of core technology

- Can be used continuously without additional charging time thanks to being able to quickly replace the battery pack. Has high durability compared to internal combustion engine by incorporating high-efficiency power conversion inverter technology and an electric circuit that cannot suffer mechanical wear.
- Can be charged with renewable energy for environmentally friendly driving with no carbon emissions, and high-efficiency power conversion circuit adopted for high energy efficiency

Competitiveness of core technology

- Real-time monitoring: Real-time monitoring that is not available in conventional power banks or internal combustion engine generators for safety assurance
- Parallel battery operation: Parallel battery operation alternative for stable and continuous battery use in market that prefers stable production and intuitive ongoing operations 24-hour operation, no charging wait time