



Electrical Engineer (Battery Energy Storage Systems - BESS)

Infinity Cube Pte Ltd

Company	Infinity Cube Pte Ltd
Location	Pioneer, West Region
Type	Full-Time
Eligibility	Undergraduates pursuing a degree in Electrical Engineering or a related discipline

About the Role

Infinity Cube is a rapidly growing energy technology company focused on delivering sustainable, flexible power solutions through battery energy storage systems (BESS), hybrid systems, and intelligent power management. We are expanding our field operations and seeking a driven and hands-on Electrical Engineer to join our team.

Why Join Infinity Cube?

- **Backed by an award-winning group:** Infinity Cube Pte Ltd is a related company of Choon Huat Engineering Pte Ltd, winner of the Enterprise 50 (E50) Award 2024 and a trusted name in Singapore's construction and power equipment industry for over 40 years. This role benefits from the strength, stability, and industry relationships of an established group while working within a specialized, innovation-driven team.
- **A growing international presence:** Be part of one of Singapore's fastest-growing Battery Energy Storage System companies. Infinity Cube is an international provider of BESS and hybrid power solutions for construction, infrastructure, and industrial applications, working to revolutionize these sectors with sustainable power that reduces reliance on fossil fuels and lowers carbon emissions. Headquartered in Singapore, the company has expanded into Australia, the United Kingdom, and Europe, and this role offers the opportunity to work on international projects across all these markets.
- **Hands-on with cutting-edge technology:** This role will work directly on the Infinity Cube, the company's flagship product, gaining exposure to cutting-edge energy storage, hybrid power, and microgrid technologies that integrate seamlessly with existing diesel generators and renewable energy sources — ensuring a reliable, efficient energy supply even in remote locations.

- **Real-world sustainability impact:** Infinity Cube specializes in hybrid power systems that optimize energy usage, improve operational efficiency, and minimize environmental impact — putting this role at the center of solutions that support the global transition toward greener energy practices.
- **Room to grow, with real influence:** This role offers the opportunity to work directly with senior management and play a key part in shaping the company's future. Join a growing organisation where your ideas and contributions will have a direct impact on product development and customer success.

Roles and Responsibilities

- Lead on-site installation and deployment of Battery Energy Storage Systems (BESS).
- Coordinate with internal and external stakeholders during project implementation
- Commission systems, perform site testing, and ensure successful system integration
- Install and configure electric distribution boxes and connect systems to diesel generators where required
- Monitor system performance, troubleshoot technical issues, and conduct root cause analysis
- Perform electrical system diagnostics and data analysis for system optimization
- Ensure compliance with safety standards, electrical codes, and local regulations
- Maintain accurate technical documentation, reports, and system records
- Train clients and partners on basic system operation and troubleshooting
- Collaborate with product development teams to feedback field insights

Requirements

- Degree in Electrical Engineering, Power Engineering, Mechatronics or a related discipline.
- 1+ years of relevant hands-on experience in electrical installation and commissioning, preferably in energy storage, solar, or generator systems
- Solid understanding of diesel generators, electrical distribution systems, inverters, and power electronics
- Experience with high-voltage systems and energy storage safety practices
- Ability to read and interpret electrical schematics and single-line diagrams
- Proficiency in using electrical testing equipment (e.g., multimeters, insulation testers, clamp meters)
- Strong analytical and troubleshooting skills, with a data-driven approach
- Willingness to travel to project sites across the region
- Good communication skills and ability to work independently on-site
- Experience with hybrid power systems (BESS + diesel genset)
- Familiarity with SCADA or remote monitoring systems
- Prior exposure to IEC/UL standards and grid interconnection requirements
- Valid electrician license or certifications (where applicable)

