Core Clean Technology Products

Clean Technology Type	Product Category	Product Name & Description	Revenue Contribution
Energy Efficiency	**Fuel Economy:** Specialize in enhancing energy efficiency in electric vehicles through advanced technologies and solutions. By developing optimized electrical energy transmission systems and products, we improve charging efficiency and safety performance, boosting energy utilization rates	**Electric Vehicle Motor Controller** A core component of new energy vehicles, enabling efficient and precise control of motor speed and direction to support startup, acceleration, and braking functions. **Electric Vehicle Powertrain** Core component of new energy vehicles, integrating power battery, electric drive, and electronic control system. Compact design and high energy conversion efficiency enhance driving stability and energy efficiency.	
	Industrial Operations & Automation: Design energy system optimization technologies and products to enable smart optimization and control across various scenarios, including data centers and consumer applications. Thereby, it ensures efficient energy utilization.	**"Light Active" Series** Achieving 40%-60% system power consumption reduction compared to conventional AOC optical modules, this series leverages advancements in chip balancing amplification, re-timing, and digital signal processing to extend copper cable application lengths. It further optimizes passive copper cables with smaller diameters and bending radii, streamlining cabling in data centers while maintaining performance. **140W 2C1A PD Fast Charger** Reducing the wear and tear on power sockets and lowering energy use through multi-protocol support (PD3.0, QC3.0, UFCS fusion fast charging), this charger enables simultaneous charging for diverse devices. Its design prioritizes both efficiency and user convenience, addressing growing demands for high-power, multi-device charging solutions **High-Speed Interconnect AI Data Centre** Enabling large-scale commercial deployment of 112 Gbps products and pilot-scale 224 Gbps systems, this solution integrates customizable cable backplanes, Chip2IO high-efficiency connectivity, NPC connector modules, and AI cluster optical interconnects. These innovations enhance signal integrity in high-speed links, significantly reduce power consumption, and extend transmission distances for next-gen AI infrastructure.	
	Power Management: Adopt advanced power conversion modules to enhance battery efficiency and reduce energy loss.	**Titanium CRPS1300W Server Power Supply** Achieving 96% peak efficiency across 30%-60% load range (2023 EU Titanium standard compliant), this server power supply effectively reduces the PUE of data center through optimized energy conversion performance.	
Pollution Prevention & Control	**Recycling & Reuse:** Diligently identify and capitalize on opportunities for recycling and repurposing waste materials. It pioneers innovative recycling technologies for reused metals and plastics, thereby actively contributing to a significant reduction in the raw material consumption of our products.	**Wireless Charging Base & Charging Series Products** Reducing carbon emissions by [illegible]kg per product on average, this series utilizes post-consumer recycled plastic material through polymerized modification, achieving a recycled plastic PCR content of up to 98%. **Wall Charger Series** Each of the seven products in this series utilizes PCR plastic that has undergone polymer modification. One model boasts a PCR content of up to 99%, thus effectively diminishing greenhouse gas emissions. **Vehicle Harnesses** The entire series of harness assemblies is manufactured from environmentally friendly and recyclable materials conforming to standards GB/T 30512-2014, RoHS, and REACH, well enhancing the utilization rate of resources.	
Alternative Energy	**Solar Power:** Leveraging deep insights into photovoltaic power generation systems and emerging industry trends, we strategically deploy clean technology products and services encompassing solar inverters and energy storage inverters. This enables us to deliver stable, efficient, and secure customized solutions that flexibly address diverse client requirements.	**Photovoltaic Inverters** The photovoltaic inverter converts the direct current generated by the module into alternating current, tracks the maximum output power of the photovoltaic array, and feeds its output energy into the grid with minimum conversion loss, contributing to an energy-saving, environmental friendly and low-carbon life.	
	Fuel Cells/Hydrogen: Devote to hydrogen production, storage, and transportation scenarios. It deploys optimized solutions for hydrogen generation, storage, and provision, driving the transformation of the energy mix.	**Hydrogen Fuel Cell Stack** The development of a 140kW graphite-based hydrogen fuel cell stack enhances reaction efficiency for medium-to-heavy-duty trucks' fuel cells, providing ample power for operating vehicles.	