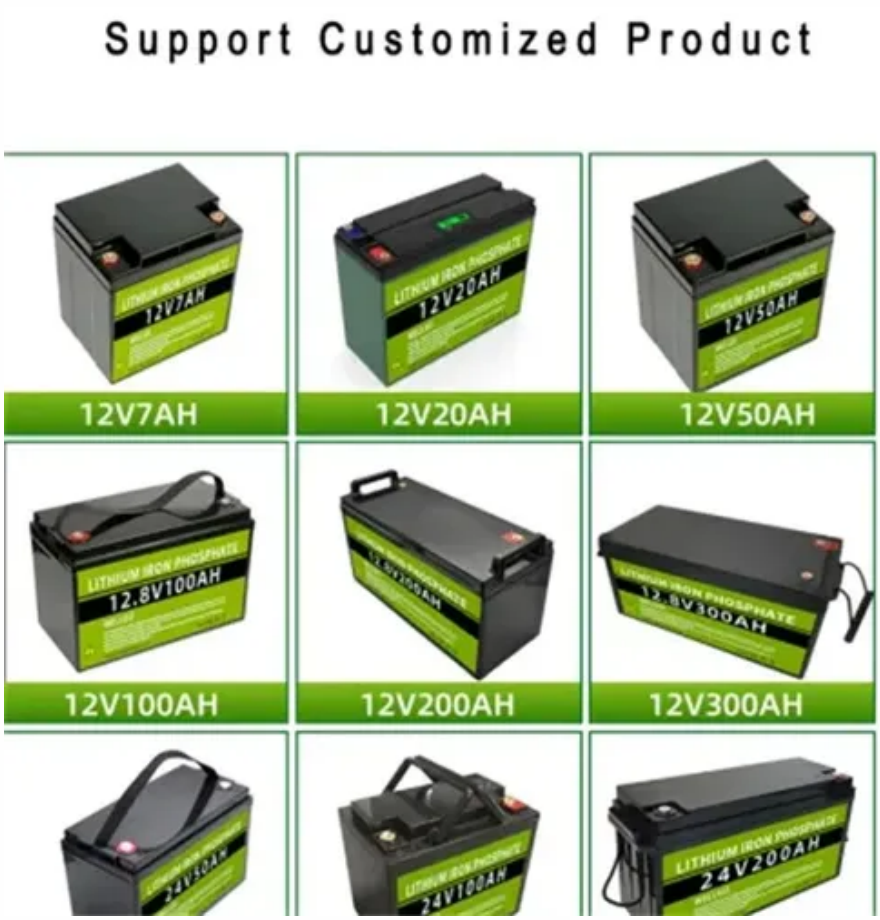
Yang Erjun Solar Power Panel



Yang Erjun Solar Power Panel

Erjun Zhou (0000-0003-1182-311X)

Effect of chlorination and position isomerization of benzotriazole-based acceptors on high-voltage organic solar cells based on dithienobenzodithiophene (DTBDT)-containing polymer donor

Wang, Zongtao, Wang, Helin, Yang, Lei, Du, Mengzhen, Gao, Lei, ...

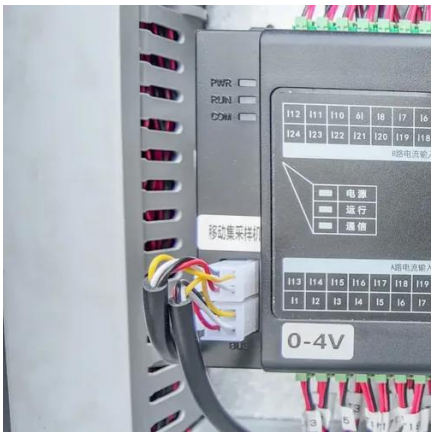
Wang, Zongtao, Wang, Helin, Yang, Lei, Du, Mengzhen, Gao, Lei, Guo, Qiang, Zhou, Erjun (2024) Selenophene-fused Perylene Diimide-Based Cathode Interlayer Enables 19 % ...

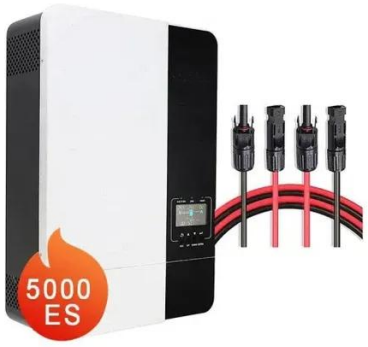
Chinese team's hydrogel coating boosts solar panel power output by ...

Chinese scientists have developed a hydrogel cooling coating for solar panels to boost power output by 13 per cent compared to conventional photovoltaic systems.

Mussel-inspired surface engineering for highly efficient and stable

Herein, a mussel-inspired surface engineering is utilized to develop a novel ZnO:PDA ETL. Dopamine (DA) is introduced into the ZnO precursor and undergoes spontaneous oxidation and ...



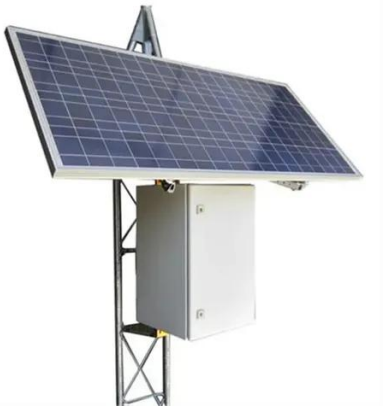


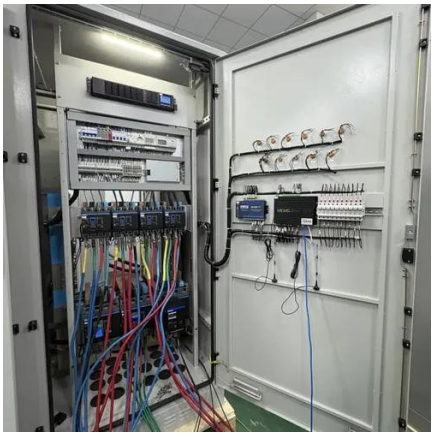
?Erjun Zhou?

Benzotriazole-Based Acceptor and Donors, Coupled with Chlorination, Achieve a High VOC of 1.24 V and an Efficiency of 10.5% in Fullerene-Free Organic Solar ... A Tang, B Xiao, Y Wang, F Gao, K

Melamine-Doped Cathode Interlayer Enables High-Efficiency Organic Solar

By doping PFN-Br with melamine (MA), the charge extraction efficiency and nongeminate recombination at the cathode interface are successfully optimized. Finally, the device efficiencies of ...





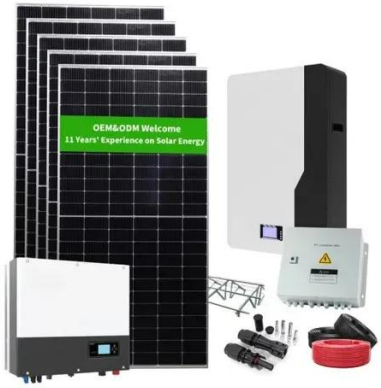
Volatile Imide Additives with Large Dipole and Special Film Formation

Herein, we first report volatile imide additives that could effectively improve the performance of OSCs through morphology modification.

Erjun ZHOU , National Center for

Nanoscience and Technology, ...

The power conversion efficiencies (PCEs) of organic solar cells (OSCs) have been greatly improved with the rapid development of non-fullerene acceptors (NFAs) in recent five years.



Hydrogel coating slashes solar panel heat by 29°F, boosts power by 13%

Scientists have developed a hydrogel coating that cools solar panels by 29 degrees Fahrenheit and boosts power output by 13 percent.

Shanghai Yang Er Technology Co., Ltd. , Solar Panels , China

Company profile for solar panel manufacturer Shanghai Yang Er Technology Co., Ltd. - showing the company's contact details and products manufactured.

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