

**PIENAAR ENERGY (PTY) LTD**

# **Intelligent outdoor cabinet for microgrid in wastewater treatment plants**



## Intelligent outdoor cabinet for microgrid in wastewater treatment p



### Microgrid-Ready All-in-One BESS Cabinet-AI-BESS Technology

Seamlessly switching between grid and off-grid modes, it allows for flexible configuration of photovoltaics, batteries, diesel generators, and loads. This versatility caters to multi-scenario ...

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### Switch cabinets for wastewatert treatment plants

Our outdoor control cabinets have been specially developed for outdoor installation and offer reliable protection from the weather and frost. They can be placed directly next to the septic tank.

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**1mwh** (500kw/1mw)

AIR COOLING  
ENERGY STORAGE CONTAINER



### Microgrid ESS Solution V1.0 100kW@215kWh Outdoor Cabinet ...

100kW/215kWh LFP energy storage system, and a generator set. The hybrid energy storage system adopts integrated design, the battery and the MPS series hybrid inverter, which contains PCS ...



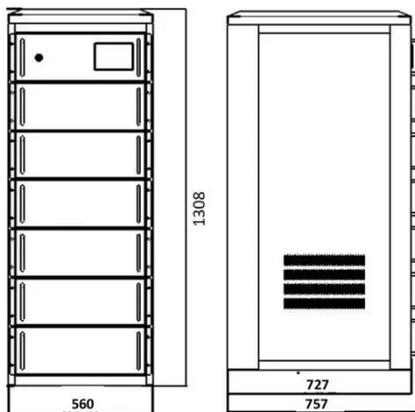
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## Outdoor Cabinet Energy Storage System (Air-Cooled) - Modular ...

Available in both 100kWh and 215kWh capacities, this modular system integrates power modules, batteries, cooling, fire protection, and environment monitoring in a compact outdoor cabinet.



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## Microgrid Outdoor Cabinet LES

A compact, high - efficiency microgrid outdoor cabinet for small - scale power management. Equipped with intelligent dehumidification to prevent condensation, it supports 100% unbalanced three - phase ...

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## Microgrid Outdoor Cabinet LES

The LES - 100W50 is a mid - size microgrid cabinet that comes with a 204.8V battery (0.5C charge/discharge) and a 57.2kW AC output. It leverages liquid cooling technology to handle a ...



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## Industrial Wastewater Treatment Control Cabinet Intelligent Remote ...



Our main products include: non-standard PLC control cabinets, frequency conversion energy-saving cabinets, street light remote control cabinets, wastewater treatment control cabinets, constant ...

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## Outdoor Cabinet , SWA Energy LiFePO4 Battery Storage Systems

With IP54/IP55 protection, anti-corrosion design, and intelligent temperature control, they are ideal for telecom base stations, remote power supply, and containerized microgrids. Our outdoor cabinets are ...



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## Outdoor Cabinet Energy Storage System

Product Features: Standardized structure design, menu-type function configuration, photovoltaic charging module, a parallel off-grid switching module, power frequency transformer, and other ...

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## Outdoor control cabinets

ABB's portfolio of smart control cabinets

offers a convenient and cost-effective solution for effortless integration - equally suitable for new and retrofit installations.

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## Contact Us

For catalog requests, pricing, or partnerships, please visit:  
<https://pienaarshof.co.za>

