

**PIENAAR ENERGY (PTY) LTD**

# **Technical Specifications of 120kWh Outdoor Energy Storage Unit**



## Overview

---

With a nominal output of 50kW and 120kWh lithium iron phosphate battery, the system supports both grid-connected and off-grid modes. Thanks to four MPPTs, a wide PV input range (150–850VDC), and up to 65kW solar input, it ensures flexible PV system design and high energy harvest. The product is suitable for outdoor installation with an IP55 system level rating and a. Powerful 50KW/120KWh hybrid energy storage solution with integrated inverter, BMS & EMS. LFP batteries, redundancy design. Tesla Powerwall 2 is a fully-integrated AC battery system for residential or light commercial use. With integrated inverter, battery, EMS, and BMS, plus advanced safety features and off-grid capability, it offers reliable power security, energy. The 120 kW automatic switching cabinet integrates STS-based control, protection, and monitoring functions to enable safe and automatic grid-connected and off-grid operation. Designed for peak shaving, backup power, and solar.

## Technical Specifications of 120kWh Outdoor Energy Storage Unit

---



### GSL ENERGY 120kWh High-Voltage Rack-Mounted Energy Storage ...

GSL ENERGY High-Voltage Rack Energy Storage System -- 51.2V 200Ah modular modules, total capacity ~120kWh. Built for commercial & industrial workloads: reliable, safe, and ...

[Get Price](#)

### 120KWH commercial energy storage system\_Lithium Battery Storage ...

Peak shaving and valley filling: by charging and storing energy at valley time and discharging energy at peak time, the electricity cost of customers can be reduced and the electricity charge at the power ...

[Get Price](#)



### 24-60kW 48-120kWh Modular Battery Storage System

The product is suitable for outdoor installation with an IP55 system level rating and a IP65 battery pack rating. The battery storage system is ideal for small scale commercial and industrial (C& I) ...



[Get Price](#)

## Sungrow 120kWh Energy Storage System, DAT Solar

Power storage solutions for commercial and industrial projects (ESS) with a wide capacity range from 50 kW to 1 MW, with multiple power storage configuration options from 2 to 5 hours.

[Get Price](#)

## LFP Battery Pack , Solar Storage Solution

The 120 kW automatic switching cabinet integrates STS-based control, protection, and monitoring functions to enable safe and automatic grid-connected and off-grid operation works with energy ...

[Get Price](#)

## Energy Storage System-Hybrid Energy Storage Solution

Powerful 50KW/120KWh hybrid energy storage solution with integrated inverter, BMS & EMS. LFP batteries, redundancy design. Expandable up to 120KWh.

[Get Price](#)

## Deye 120kWh All-in-One High Voltage Hybrid ESS - C& I Energy ...



With integrated inverter, battery, EMS, and BMS, plus advanced safety features and off-grid capability, it offers reliable power security, energy cost optimization, and black start functionality.

[Get Price](#)

## Advanced Outdoor Energy Cabinet with Built-in Safety , 50kW / ...

This isn't just a battery; it's a fully integrated power fortress, combining a massive 120kWh LiFePO4 battery bank, a powerful 50kW inverter, and a sophisticated thermal management system within a ...



[Get Price](#)



## Tesla Powerwall 2 Datasheet

Its rechargeable lithium-ion battery pack provides energy storage for solar self-consumption, time-based control, and backup. Powerwall's electrical interface provides a simple connection any home or building.

[Get Price](#)

## CUBE 120kWh 140kWh Outdoor energy storage all-in-one

CUBE BOX120/140 features a modular

design, combining lithium iron phosphate batteries, racks, BMS, PCS, air-conditioning, temperature control, fire detection, and automatic extinguishing. It boasts ...

[Get Price](#)



---

## Contact Us

---

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

