

XDS3 - Plug & Play AC-Coupled ESS

Product Overview

XDS3 is a compact, AC-coupled energy storage system designed for residential users in dynamic tariff markets across Europe. It features full plug & play installation, smart meter compatibility, and optimized charging/discharging strategies for self-consumption and savings.

Key Features

- 1.95kWh LiFePO4 per module, stackable up to 7.8kWh
- Plug & Play installation - no tools or electrician needed
- AC-coupled with PV input (22-60V / Max 2000W)
- Dual MPPT + AC grid charging + UPS output
- Auto charge/discharge based on real-time electricity pricing
- Smart meter & VPP-ready (zero export supported)
- Wi-Fi / Bluetooth communication, App control
- Fast UPS switching (<15ms), IP65 waterproof



Platform Compatibility

- Supports Tibber, ANWB Energy, ENBW, Tauron and other dynamic tariff platforms
- Integrates with Home Assistant, Shelly, EverHome, and smart plugs
- Suitable for VDE4105 / EN50549 grid standards

Technical Specifications

- Battery: 1.95kWh LiFePO4 (EVE cell), ~29kg
- Dimensions: 460 x 249 x 254 mm
- Output: 2000W / 800W rated, 92% efficiency
- Communication: Wi-Fi, Bluetooth
- Protection: IP65 waterproof, stackable

Application Scenarios

- Balcony PV storage for EU households
- Nighttime grid charging + daytime discharge
- EV charger supplement via smart plug
- Portable backup system