



SpartanLync

TECHNOLOGIES



Mobile Energy Storage

30kW/46kWh mobile energy storage pickup truck solution, compact in size, integrates LFP battery packs, a bi-directional inverter, and an intelligent control system. The chassis can be based on widely available pickup trucks. Features standard DC charging input, is equipped with abundant external interfaces for plug-and-play operation, and supports 100% three-phase unbalanced load connection. It has broad application scenarios in agricultural power, logistics, and construction, etc.

Product Features

Flexible & Convenient

Mobile and agile for easy deployment; small size and light weight for flexible transport using a pickup truck, supports integration into vehicle for flexible dispatch; quiet and eco-friendly: no CO₂, sulfide, or smoke emissions; features a visual operation interface.

Smart & Reliable

High power quality with voltage and frequency fluctuations within 1%; dynamic capacity increase for transformer districts: rapid connection to flatten power curves; equipped with a remote cloud data monitoring system supporting online O&M; supports off-grid black start; supports 100% three-phase unbalanced load connection.

Product Parameters

Energy Battery Storage	Battery Type	Lithium Iron Phosphate (LFP)
	Rated Battery Energy	46.08 kWh
	Cell Rated Capacity	120 Ah
	Max. Discharge Power	30 kW
	Max. Charge Power	30 kW
AC Output	Off-grid Output Frequency	50 Hz (± 1)
	AC Output Form	Quick-connect plug, Terminal
	AC Voltage THD	< 3%
	Three-phase Output Voltage Unbalance	< 2%
	Output Phase Deviation	< 3°
Output Interfaces	63A 3-phase Quick-connect	30kW * 1
	63A 3-phase Terminal	30kW * 1
	10A Single-phase 5-pin Socket	2kW * 3
DC Output	DC Output Form	Charging Gun
	DC Charging Pile	20kW * 1
System Parameters	Power Factor	-1 leading ~ +1 lagging
	Overload Capability	100% long-term operation; 120% for 1 minute
	Operating Temperature	-25~60°C (Derating above 45°C)
	Fire Protection System	Aerosol / Perfluorohexanone
	System Max. Efficiency	> 86% (Round-trip efficiency)
	Full Power Charge/Discharge Switch Time	< 100 ms
	Power Command Response Time	< 30 ms
	Human-Machine Interface	Touch Screen
	Weight (Approx.)	850 kg
	Dimensions (WDH)	1154 * 870 * 1150 mm