

# LAVO A4S

Introducing LAVO LIFE All-In-One Battery Energy Storage System (AIO BESS).

With a built-in inverter and latest smart systems, you will be able to harness and maximise your use of renewable energy in a sleek and minimalist form factor.

## Special Features

- Easy installation with modular and stacked design.
- High performance charge and discharge.
- Whisper quiet system.
- Independent all-in-one unit with built-in inverter and battery.
- Adaptive with self-power, backup and load shifting modes.



All Metal Construction



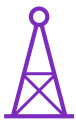
Cobalt Free LifePO4



Plug and Play Installation



Multi-State Protection



Remote Firmware Upgrade



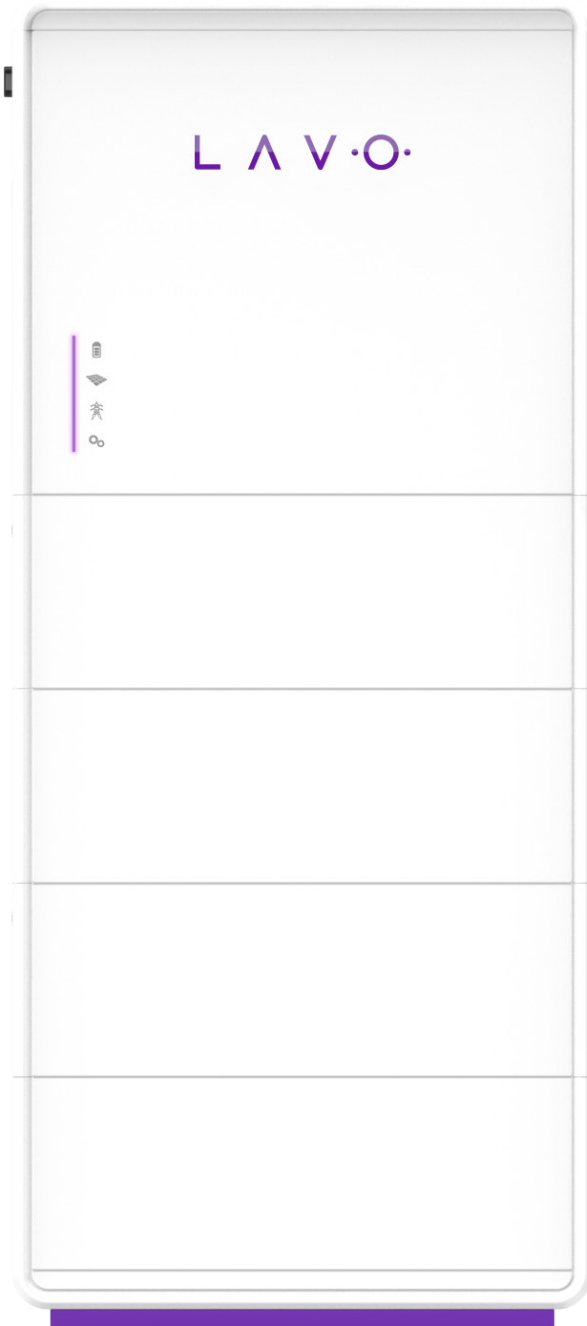
Smart System



User Friendly App



15 Year Warranty



## LAVO A4S

Model	A4S
Rated Energy (kWh)	13.3
Usable Energy (kWh)	12.6
Dimensions W*D*H (mm)	760*220*1650
Weight (kg)	181
Communication	RS485
Communication with Portal	Wifi/4G/Ethernet
Degree of Protection	IP65
Heat Dissipation Method	Natural convection
Operating Temperature Range	-20°C~54°C (55°C~60°C Derating)
Relative Humidity	0~95% RH
Warranty	15 Years
Mounting Method	Floor standing
Construction	Metal powdercoat
Certification & Standards	CEC, UN 38.3, IEC 62619, IEC 62109, AS/NZS 4777
Display	SOC indicator, status indicator

## Safety and Monitoring

- AC Short-Circuit Protection
- Overload Protection
- Residual Current Detection
- Anti-Island Protection
- AC Surge Protection
- DC Surge Protection
- DC Over-Under-Voltage Protection
- AC Undervoltage Protection
- AC Underfrequency Protection
- PV Anti-Reverse Connect Protect
- DC Disconnect Device
- AC Over Current Protection
- AC Over Voltage Protection
- Over Temp Protection
- Communication Fault Protection

## Inverter Module

Rated Output Power (kW)	7
Rated Output Current (A) @230VAC	30.5
Peak Output Power (VA)	8000@10s
Rated Output Voltage (V)	230
Phase	Single-phase
Rated Output Frequency (Hz)	50Hz / 60Hz

Backup Power Mode	Yes
Max Input Voltage (V)	550
MPPT Voltage Range (V)	120-500
MPPT Max Input Current (A)	15
MPPT Max Short-Circuit Current (A)	20
No. of MPPT Trace Paths	3

## Battery Pack

Type of Battery	Lithium Iron Phosphate (LFP)
Rated Energy (kWh) Per Module	3.34
Rated Voltage (V)	102.4V
Max Charge/Discharge Current (A)	32/32
Weight (kg) Per Module	35
Max Battery Discharge Efficiency	95%