



Modular



Stackable

Built-in Fire
SuppressionBluetooth
& Wi-FiMonitor via
Android or iOS App

ENVA 60HV

BATTERY MODULE PARAMETERS

Cell Chemistry	Lithium Iron Phosphate (LiFePO ₄)
Cell Capacity [Ah]	100
Battery Module Cell Configuration	1P16S
Battery Module Rated Energy [kWh]	5.12
Ideal Charge/Discharge Current [A] ¹	≤25/≤50
Max. Charge/Discharge Current [A] ¹	50/100
Short Circuit Current [kA]	6

SYSTEM PARAMETERS

Rated Energy [kWh]	61.44 (12 modules)
Nominal Voltage [V]	614.4
Voltage Range [V]	518.4 ~ 691.2
Cycle Life	≥6000 cycles @ 80% DoD @ 25°C
Max. DoD - Off-grid / Back-up ²	95%
Max. Parallel Battery Banks	5
Installation Method	Stackable with brackets
Ingress Protection	IP20
Inverter Communication Interface	CAN

ENVIRONMENTAL PARAMETERS

Charge Temperature Range [°C]	0 ~ 50
Discharge Temperature Range [°C]	-20 ~ 55
Optimal Temperature Range [°C]	15 ~ 30
Relative Humidity [%]	5 ~ 95 (no condensation)
Max. Operating Altitude [m]	≤4000

PHYSICAL PARAMETERS

Dimensions - H x W x D [mm] ³	1960x550x596
Weight [kg]	720
Battery PACK Modules	12 (1P16S each)

GENERAL DATA

Standards & Certifications	IEC62619, IEC62040, IEC61000, UN38.3
Warranty	5 years or 6000 cycles @ 80% DoD
Service Life	>15 years (>6000 cycles) @ 80% DoD

Notes to Specification Sheet

1. Max current duration 5 min every 30 min. Derating applies outside optimal temperature range.
2. DoD = Depth of Discharge. Max 95% DoD under off-grid and back-up application. Recommended 80% DoD for daily cycle use.
3. Dimensions exclude protuberances such as plugs.

Speak to Our Team

Contact us for project enquiries, technical guidance or additional product information.

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