



Modular



Stackable



Bluetooth  
& Wi-Fi



Monitor via  
Android or iOS App

## ENVA 60HV <sup>1</sup>

### BATTERY MODULE PARAMETERS

|                                                 |                                  |
|-------------------------------------------------|----------------------------------|
| Cell Chemistry                                  | Lithium Iron Phosphate (LiFePO4) |
| Cell Capacity [Ah]                              | 100                              |
| Battery Module Cell Configuration               | 1P16S                            |
| Battery Module Rated Energy [kWh]               | 5.12                             |
| Ideal Charge/Discharge Current [A] <sup>2</sup> | ≤25/≤50                          |
| Max. Charge/Discharge Current [A] <sup>2</sup>  | 50/100                           |
| Short Circuit Current [kA]                      | 6                                |

### SYSTEM PARAMETERS

|                                            |                               |                                                                                              |
|--------------------------------------------|-------------------------------|----------------------------------------------------------------------------------------------|
| Rated Energy [kWh]                         | 61.44                         | Specs for 12-module configuration<br>(see installation manual for other configuration specs) |
| Nominal Voltage [V]                        | 614.4                         |                                                                                              |
| Voltage Range [V]                          | 518.4 ~ 691.2                 |                                                                                              |
| Battery PACK Modules                       | 12 (1P16S each)               |                                                                                              |
| Cycle Life                                 | ≥6000 cycles @ 90% DoD @ 25°C |                                                                                              |
| Max. DoD - Off-grid / Back-up <sup>3</sup> | 90%                           |                                                                                              |
| Max. Parallel Battery Banks                | 4                             |                                                                                              |
| Installation Method                        | Stackable with brackets       |                                                                                              |
| Ingress Protection                         | IP20                          |                                                                                              |
| Inverter Communication Interface           | CAN                           |                                                                                              |

### ENVIRONMENTAL PARAMETERS

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Charge Temperature Range [°C] <sup>4</sup>    | 0 ~ 50                   |
| Discharge Temperature Range [°C] <sup>4</sup> | -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] <sup>5</sup> | 1960x550x596                      |
| Weight [kg]                              | 720 (for 12-module configuration) |

### GENERAL DATA

|                            |                                    |
|----------------------------|------------------------------------|
| Standards & Certifications | UN38.3, *IEC62619                  |
| Warranty                   | 5 years or 6000 cycles @ 90% DoD   |
| Service Life               | >15 years (>6000 cycles) @ 90% DoD |

\*In Progress

### Notes to Specification Sheet

- ENVA 60HV is the standard configuration, with other configurations available from 10kWh - 80kWh.
- Max current duration 5 min every 30 min. Derating applies outside optimal temperature range.
- DoD = Depth of Discharge. Max 90% DoD under off-grid and back-up application.
- See warranty document for further guidance on environmental temperature restrictions.
- 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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