



SINCE 1977

# ARKCO SALES

MANUFACTURERS REPRESENTATIVES

## evesco

ELECTRIC VEHICLE ENERGY STORAGE COMPANY

| SPECIFICATIONS                       |                                                            |
|--------------------------------------|------------------------------------------------------------|
|                                      | BATTERY SPECIFICATIONS                                     |
| MODEL NUMBER                         | ES-3061NA (ES-61DCNA for the battery without the inverter) |
| BATTERY CHEMISTRY                    | Lithium Iron Phosphate                                     |
| MODULE ENERGY                        | 5.12 kWh                                                   |
| MODULE NOMINAL VOLTAGE               | 51.2 V                                                     |
| MODULE CAPACITY                      | 100 Ah                                                     |
| BATTERY MODULE CONFIGURATION         | 6S2P                                                       |
| SYSTEM NOMINAL VOLTAGE               | 307.2 V                                                    |
| SYSTEM VOLTAGE RANGE                 | 281.25 - 340.8 Vdc                                         |
| SYSTEM ENERGY                        | 61.44 kWh                                                  |
| CHARGE CURRENT                       | 95 A                                                       |
| DISCHARGE CURRENT                    | 100 A                                                      |
| DISCHARGE DEPTH                      | 90% DoD                                                    |
| CYCLE LIFE                           | >8000 Cycles                                               |
|                                      | PV INPUT SPECIFICATIONS                                    |
| MAX PV POWER (STC)                   | 39 kW                                                      |
| MPPT VOLTAGE RANGE                   | 150 - 500 V                                                |
| STARTUP VOLTAGE                      | 180 V                                                      |
| MAX INPUT VOLTAGE                    | 550 V                                                      |
| MAX OPERATING INPUT CURRENT PER MPPT | 36 A                                                       |
| MAX SHORT CIRCUIT CURRENT PER MPPT   | 55 A                                                       |
| NUMBER OF MPPT TRACKERS              | 4                                                          |
| NUMBER OF PV STRINGS PER MPPT        | 2                                                          |
| MAX AC COUPLED INPUT                 | 30                                                         |

| SPECIFICATIONS                        |                                                                                                                                                 |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
|                                       | AC OUTPUT SPECIFICATIONS                                                                                                                        |
| NOMINAL AC VOLTAGE                    | 120/208 Vac (3Φ)                                                                                                                                |
| GRID FREQUENCY                        | 50 / 60 Hz                                                                                                                                      |
| REAL POWER, MAX CONTINUOUS            | 30 A                                                                                                                                            |
| MAX OUTPUT CURRENT                    | 83.4 A                                                                                                                                          |
| PEAK APPARENT POWER (10S)             | 45 kVa                                                                                                                                          |
| MAX GRID PASS-THROUGH CURRENT (10MIN) | 200 A                                                                                                                                           |
| CONTINUOUS GRID PASS-THROUGH CURRENT  | 180 A                                                                                                                                           |
| POWER FACTOR OUTPUT RANGE             | +/- 0.8 (settable)                                                                                                                              |
| BACKUP TRANSFER TIME                  | 5 ms (settable)                                                                                                                                 |
| CEC EFFICIENCY                        | 96.5%                                                                                                                                           |
| MAX EFFICIENCY                        | 97.5%                                                                                                                                           |
| DESIGN (DC TO AC)                     | Transformerless DC                                                                                                                              |
| STACKABLE                             | Up to 10 in parallel                                                                                                                            |
|                                       | GENERAL SPECIFICATIONS                                                                                                                          |
| COMMUNICATION INTERFACE               | CAN, RS485, Wi-Fi, LTE                                                                                                                          |
| CERTIFICATION (BATTERY)               | UL1973, UL 9540A<br>UL 1741-2021 (incl UL1741SB)<br>IEEE 1547-2018 & 1547a-2020<br>& 1547.1-2020 (SRD V2.0),<br>UL1699B                         |
| CERTIFICATION (INVERTER)              | UL 1741-2021 (UL1741SB)<br>CSA C22.2 No 107.1-16, IEEE 1547-2018 & 1547a-2020 & 1547.1-2020 (SRD V2.0) UL 1741 CRD-PCS,<br>UL1699B, CEC, SGIP 4 |
| IP RATING                             | IP55                                                                                                                                            |
| OPERATING TEMPERATURE                 | -4°F (-20°C) to 131°F (55°C)                                                                                                                    |
| OPERATING HUMIDITY                    | 5 - 85% RH                                                                                                                                      |
| DIMENSIONS W x D x H                  | 750x950x2280 mm<br>29.5 x 37.4 x 89.7 in                                                                                                        |
| WEIGHT                                | ~1050 kg<br>~2315 lb                                                                                                                            |

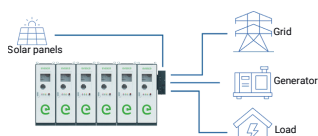
### ES-3061NA



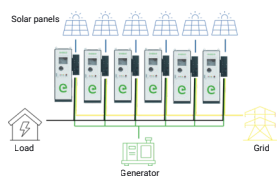
#### 30kW61kWh BESS System Features

- Optimized for Solar Integration
- Compact Footprint, Powerful Delivery
- Always-On Safety
- Smart Energy Intelligence
- Adaptive Site Flexibility
- Modular Growth, Minimal Disruption
- Approved Safety Standards
- 3 Phase Inverter

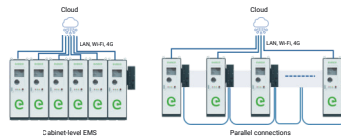
Centralized PV



Distributed PV



Example



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