

## Overview

The optional V2X Off-Grid Box is only needed when the ICE-66 V2X charger is used in grid-forming mode, where it operates independently from the main utility grid. In this isolated mode, the Off-Grid Box helps manage power flow to match the connected load.

In grid-following mode, the charger functions normally, whether it's connected to the utility grid or part of a microgrid. In this mode, the system is not considered "off-grid." Instead, the charger acts as both a power-consuming device and a responsive source, following commands from the local utility, microgrid controls, or InControl™ CMMS.

## Benefits and Use Cases

- Enables operation in grid-forming mode, allowing the system to charge independently from the utility grid
- Enables charging infrastructure in areas with limited or no grid access by supporting standalone operation
- Ideal for remote sites or backup power scenarios



## Technical Specifications

| Main Input, Backup Output, Charger Output | Value                                                 |
|-------------------------------------------|-------------------------------------------------------|
| Phases / Lines                            | 3 phases + neutral + PE                               |
| Voltage                                   | 480 Vac (+/-10%)                                      |
| Frequency                                 | 60Hz                                                  |
| Current                                   | Max 250A                                              |
| Backup Output & Charger Output            | Value                                                 |
| Phases / Lines                            | 3 phases + neutral + PE                               |
| Voltage                                   | 480 Vac (+/-10%)                                      |
| Frequency                                 | 60Hz                                                  |
| Current                                   | Max 125A                                              |
| Cabinet                                   | Value                                                 |
| Dimensions (D x W x H)                    | 8.7 in x 20.8 in x 33.5 in / 220 mm x 508 mm x 850 mm |
| Weight                                    | 126.75 lbs / 57.5 kg                                  |
| Protection Degree                         | IP55, Cabinet IK10                                    |
| Environmental Conditions                  | Value                                                 |
| Operating Temperature                     | -13°F–122°F / -25°C–50°C                              |
| Transportation / Storage Temperature      | -40°F–158°F / -40°C–70°C                              |
| Humidity                                  | 5% RH – 95% RH                                        |
| Place of Installation                     | Indoor / Outdoor                                      |
| Altitude                                  | 6561.28 ft (2000 m)                                   |
| Atmospheric Pressure                      | 80Kpa – 110Kpa                                        |
| Overvoltage Category                      | II                                                    |
| Protection Class                          | Class I                                               |

## Ordering Information\*

| Product Code   | Product Configuration       |
|----------------|-----------------------------|
| IAU125ATS-AW-2 | Off-Grid Box for ICE-66 V2X |

\*Please note, the variants listed are representative and may not be a comprehensive list of available options. Consult with your InCharge Energy sales representative.