

iGen System Integration Kit

IdaTech's integration kit includes a fuel tank in a rugged lockable enclosure and an electrical interface assembly for quick installation and interconnection of the iGen Systems with customer's battery bank and loads. The electrical interface provides easy access to electrical connections and remote monitoring features; it is outdoor rated, but may be located inside a customer's electronics shelter for convenience. The fuel tank assembly provides enough fuel for 90 or more hours of operation of the iGen System at full power and includes fuel level switches that can be remotely monitored for efficient refueling.

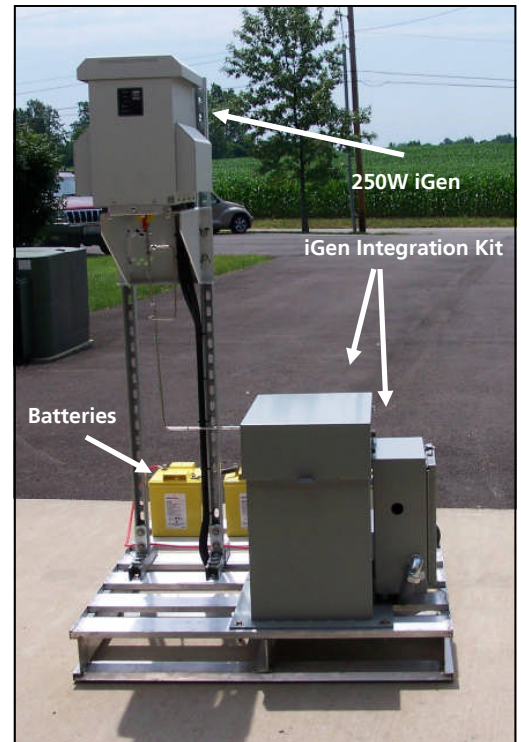
IdaTech's integration kit is designed for convenient interconnection of the iGen System to the customer's equipment, enabling an easier, more efficient installation to meet the requirements of customer applications.

Advantages of the Integration Kit

Extended Run Performance	Over 90 hours of iGen System runtime at full power.
Efficient Installation	DIN terminals, breakers, conduit knockouts, and complete documentation enable efficient installation and integration with customer batteries and the iGen System.
Rugged	Heavy gauge construction with lockable access for demanding outdoor applications.
Configurable	The electrical interface assembly may be mounted outdoors on the fuel tank assembly, on a panel, or indoors in an equipment shelter to meet customer requirements.
Integrated Fuel Delivery	Engineered into the fuel tank assembly are fuel filter, pump, pressure gauge, shut-off valve, level sensors, and fuel priming circuit for perfect integration with the iGen Systems.
Fuel Stability	Air exchanges are safely minimized through the design of the fuel tank and enclosure to achieve many years of fuel stability.

iGen Integration Kit Specifications

Size (W x D x H)	458 x 585 x 534 mm (18 x 23 x 21 in)
Weight	Dry: 43 kg (95 lbs), Fueled: 87 kg (192 lbs)
Fuel Tank	45L (12 gal)
Temperature	-20° C to 50° C (-4° F to 122° F)
Relative Humidity	10 to 95% Non-Condensing
Location	Outdoor Rated Only; Electrical Interface Indoor or Outdoor
Elevation	0 to 2000 meters (0 to 6562 ft)
Communications	Dry Contact via 16-Pin Terminal; RS-232 Isolated Pass Through of iGen System GUI via 9-Pin Dsub or Converter to TCP/IP via RJ45
Certifications	CE



iGen Integration Kit

Purpose: Provide fuel for iGen fuel cell system and convenient access to electrical connections and remote monitoring