

## 148 V DC - 6,80 kWh Pressure tolerant Li-Po Battery

### Description

The ICTINEU battery system is very simple to install, even into an existing vehicle or platform, as it is designed as a plug and play system that does not need any special engineering for integration.

This battery has the same configuration and functionalities as the standard ICTINEU 10,36 kWh battery.

It is safe and reliable: each module incorporates its own Battery Management.

System (BMS), safety elements (relays, fuses, redundant temperature control) and can be monitored by user via CAN bus and/or RS232 bus.

It offers the best power-to-weight ratio in the market and is maintenance free.

It is built on fire-proof and non-conductive materials for higher safety. All materials are corrosion free, perfectly suited for harsh environments.



The cells are high quality Kokam NANO type.

A Graphical User Interface is provided with the battery for an easy monitoring.

General Electrical Specifications	
Voltage (max / nom / min)	166 / 148 / 120 V DC
Capacity	46 Ah
Energy	6,80 kWh
Max discharge rated current	80 A
Discharge temperature	-10 °C to 55 °C
Charge temperature	0 °C to 45 °C
Max charge current	30 A
Operational depth	6 000 m
Life cycles @ 1C/1C to 80% of capacity	up to 7 000*

\*information given by Kokam

Weight and Volume	
Weight in air	105 kg (231,5 lb)
Weight in water	52 kg (114,6 lb)
Displacement	52 liter (13,74 US gal)

Battery size, weight and external appearance may have slight variations from the ones shown in this brochure.

Geometrical Data	
Length	617 mm (24,29 inch)
Width	274 mm (10,79 inch)
Height	352 mm (13,86 inch)

Protections and Systems	
BMS	Built-in
Charge power contactors	Built-in
Protection fuses	Built-in
Load power contactors	Built-in
Load pre-charge system	Built-in
Communication	CAN 2.0A and RS232

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