

## 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.

Each module incorporates its own Battery Management System (BMS) and safety elements and can be monitored externally via two different buses, the CAN bus and/or the RS232 bus

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

The battery is oil filled with MIDEL 7131 dielectric oil. The cells are high quality Kokam NANO type. A Graphical User Interface is provided with the battery for an easy monitoring.



Patented  
ICTINEU Submarins S.L.

### General Electrical Specifications

Voltage (max / nom / min)	166 / 148 / 120 VDC
Capacity	46 Ah
Energy	6.8 kWh
Max discharge rated current	80 A
Discharge temperature	-10 to 55 °C
Charge temperature	0 to 45 °C
Max charge current	30 A
Operational depth	6000 m
Life cycles @ 1C/1C to 80% of capacity	up to 7000*

\*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	61.7 cm / 24.29 inch
Width	27.4 cm / 10.79 inch
Height	35.2 cm / 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

This product is patented, all rights are property of ICTINEU Submarins SL, ESB64470503

ICTINEUSubmarins can provide special configurations adapted to client needs.  
Do not hesitate to contact [info@ictineu.net](mailto:info@ictineu.net) for more information.