

266 V DC - 15 kWh Pressure compensated 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 5th generation batteries have the same configuration and functionalities as the standard ICTINEU 148 V - 10,36 kWh battery with improved robustness and features

It is safe and reliable: each module incorporates its own Battery Management System (BMS), safety elements and functions, 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 sea and harsh environments.

Only high quality cells are used (NMC High Energy).



A Graphical User Interface is provided for an easy monitoring.

Tailored systems under request.

Certification: Complies with last edition of DNV rules for EES – Ships and UWT.

148 VDC Electrical Specifications

Voltage (max / nom / min)	296 / 266 / 216 VDC
Capacity	60 Ah
Max discharge rated current	80 A
Max charge current	14 A*
Battery model/hardw:	Bat 005HV

General Electrical Specifications

Energy (nominal)	15 kWh @ 90%
Discharge temperature	-20 °C to 55 °C
Charge temperature	0 °C to 45 °C *
Operational depth	6 000 m *
Life cycles at 90% DOD, 1C/1C	≥ 6,000, up to 15 years**

Weight and Volume

Weight in air	174 kg / 383,60 lb
Weight in water	79 kg / 174,17 lb
Displacement	96 liter / 35,36 US gal

Geometrical Data

Length	1057 mm [41,61 inch]
Width	275 mm [10,83 inch]
Height	360 mm [14,17 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 RS

* Check manufacturer for additional details / options

** Pressure cycling may affect cycles and calendar life

***60mm for a safety valve have to be added to the battery height.

Dimensions and weight may have slight variations in final product.

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