

Ictineu Li-Po Battery Charger Specifications for a Dual Charger.

ICTINEU Li-Po Charger specifications

The Ictineu battery charger has been designed for the purpose of charging Lithium Polymer batteries provided by Ictineu Submarins S.L.

This charge system has been developed to safely charge lithium polymer batteries. It is integrated into a robust, watertight rolling case and it includes all the necessary safety systems and cables (5, 10 and 15 m options) for charging your battery.

It is delivered ready to plug and play and is easy to operate. The front panel provides clear information about cabling and connection as well as charge status. It includes led indicators, a Voltmeter, an Ammeter, a status monitoring display as well as CAN and RS232 interfaces for each battery. The communication interfaces allow the client to monitor the battery status and all the battery parameters in detail.

This charger system is based on the same one that has been used for years with the ICTINEU 3 submersible, the components are reliable and high quality. It ensures a safe and proper charge procedure and so a longer life for your battery.

This product can be purchased as a Single Charger (one unit charges one battery) or as a Dual Charger (one unit charges two batteries at the same time).



Electrical Specifications

Input 1 Power AC BAT 1 & 2 (2 cable plugs)

Power supply nominal input voltage*	110 to 264 VAC
Power supply Frequency	47-63Hz
Power supply input current	16 A (max.)
Power factor	>0.98

Input 2 - Control AC (1 cable plug)

Control input nominal voltage	100 to 240 VAC
Control frequency	47-63Hz
Control input current	0,58 A @ 230VAC 1,14A @ 110VAC

Output - Power DC BAT 1 & 2 (2connectors)

Output Voltage	0-168 VDC
Output Current	0-20 ADC
Ambient temperature range	0-40°C

Protections

Over-temperature protection	Processor controlled on/off
Over-current protection	Electrical current limit

Case characteristics

Protection degree	IP67 (when lid closed)
Material	Polypropylene
Length	837 mm
Width	598 mm
Height	479 mm
Weight	55 to 65 kg
The charger case meets the following standards	MIL-STD-810G, MIL-STD-2073, LI-C-41501, STANAG 4280 DEF-STAN 81-41 and ATA 300, MIL-STD-810F

Charger to battery cables

Length (optional)	5, 10 or 15m
Type	SubConn submarine

* The input voltage recommended to obtain the best charging performance is 230 VAC. Below 230 VAC the charge power will be reduced accordingly to input power available.



Options

Single Charger option can be supplied with identical specifications except for:

- Delivered with only one *Input 1 - Power AC* cable plug and one *Output - Power DC* connector
- Weight: 40 to 46kg

Cable plugs are provided by default as per CEE 7/4, other plugs can be installed under request

The bottom part compartment is intended for cable storage. For safety reasons all cables are integrated into the charger and can not be disassembled by user.

© ICTINEU Submarins S.L. The information in this document is ICTINEU Submarins S.L. proprietary.

Information contained herein can be changed without notice.



ICTINEUSubmarins can provide special configurations adapted to client needs.
Do not hesitate to contact info@ictineu.net for more information.