

# ULTRA-STARTER UST-2030

## The Safest Energy to Fly

The Ultra-Starter UST-2030 (20Ah) is a device developed by **ENERCRAFT** to improve the engine start of airplanes or helicopters, providing clean energy, extending the life of the engines and being capable of operating in any weather and environmental condition.



The **ENERCRAFT** Ultra-Starters were developed by our technicians and engineers to offer the latest technology in energy storage, with a unique configuration and a hybrid battery, by combining the best of the LiFeMnPO<sub>4</sub> Lithium Cells and the best of the Ultracapacitors, ensuring an unbeatable peak current with a very compact and lightweight unit.

MAIN SPECIFICATIONS OF THE ULTRA-STARTER UST-2030	
AC INPUT	Charges from Single Phase 85-264 Vac, Freq. 47/63 Hz, 2 amps
DC OUTPUT	28.5 Vdc (30.6@full charge) Peak start: 1500 Amp Use as GPU: up to 10 Amps
RECHARGING RATE	45 minutes from full discharge @ 25° C
TEMPERATURE RANGE	- 40° C ↔ 70° C (in operation) - 50° C ↔ 85° C (in storage)
DIMENSIONS	426 mm x 327 mm x 236 mm
WEIGHT	13 kg (including cable and AN2551)
CABLE	1.5 mts Standard 3 PINS NATO AN2551 (50mm <sup>2</sup> )
PROTECTION	Electronic sensors & Fuses
COOLING	Cooling air system integrated into the equipment

# MAIN FEATURES

## 1 Incorporates the latest technology



IEC 61000 & IEC 60335-1  
UN38.3  
Meets ICAO / IATA regulations

**ENERCRAFT** innovative design

First to incorporate Lithium & Ultracapacitor technology  
Full operation in any weather and environmental condition  
Peak current is ensured, even in non-ideal charge conditions  
Extends & preserves the aircraft main battery useful life  
Supports more engine starts without recharge  
Provides clean energy and a more efficient engine start  
True DUAL UNIT. Works as a Starter and as a GPU (10 Amp)

## 2 Full data display



Voltage and Battery load %  
USB connector

## 3 Protective Case



Reliable waterproofing (IP67 & IEC 60529)  
NANUK®'s latching system (MIL-STD-810F)  
Impact resistant (ATA Specification 300)  
Robust (ASTM D4169 DC-18)

## 4 Portable equipment



Lightweight unit  
"All in one" concept  
One-handed operation  
Spring loaded handle  
Reinforced metal padlock holes



ENERCRAFT INNOVATIVE ELECTRIFICATION TECHNOLOGY S.L.  
Cambados, Pontevedra – GALICIA, SPAIN / VAT: ESB02707628

©ENERCRAFT - ALL RIGHTS RESERVED  
More information: [www.enercraft.eu](http://www.enercraft.eu)