

# ULTRA-STARTER UST-4028

## The Safest Energy to Fly

The Ultra-Starter UST-4028 (40Ah) is a device developed by **ENERCRAFT** to improve the engine start of high voltage sensitive 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 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-4028

<b>AC INPUT</b>	Charges from Single Phase 85-264 Vac, Freq. 47/63 Hz, 2 amps
<b>DC OUTPUT</b>	27.2 Vdc (27.6@full charge) Peak start: 1700 Amp Use as GPU: up to 10 Amps
<b>RECHARGING RATE</b>	90 minutes from full discharge @ 25° C
<b>TEMPERATURE RANGE</b>	- 40° C ↔ 70° C (in operation) - 50° C ↔ 85° C (in storage)
<b>DIMENSIONS</b>	558 mm x 355 mm x 228 mm
<b>WEIGHT</b>	24 kg (including cable and AN2551)
<b>CABLE</b>	1.75 mts Standard 3 PINS NATO AN2551 (50mm <sup>2</sup> )
<b>PROTECTION</b>	Electronic sensors & Fuses
<b>COOLING</b>	Cooling air system integrated into the equipment

# MAIN FEATURES

## 1 Incorporates the latest technology



**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

NANUK®'s patented latching system

Robust and Impact resistant

Modern design

## 4 Portable equipment



Lightweight unit

“All in one” concept

One-handed operation

Two stage retractable handle

Polyurethane wheels & stainless steel bearings



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