

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 LiFeMnPO₄ 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

| | |
|--------------------------|--|
| AC INPUT | Charges from Single Phase 85-264 Vac, Freq. 47/63 Hz, 2 amps |
| DC OUTPUT | 27.2 Vdc (27.6@full charge) Peak start: 1700 Amp Use as GPU: up to 10 Amps |
| RECHARGING RATE | 90 minutes from full discharge @ 25° C |
| TEMPERATURE RANGE | - 40° C ↔ 70° C (in operation) - 50° C ↔ 85° C (in storage) |
| DIMENSIONS | 558 mm x 355 mm x 228 mm |
| WEIGHT | 24 kg (including cable and AN2551) |
| CABLE | 1.75 mts Standard 3 PINS NATO AN2551 (50mm ²) |
| 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
Two stage retractable handle
Polyurethane wheels & stainless steel bearings



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