

# ULTRA-STARTER UST-2012LV

## The Safest Energy to Fly

The Ultra-Starter UST-2012LV - *Light Vehicles* (20Ah) is a device developed by **ENERCRAFT** to improve the engine start of small airplanes or helicopters, being the ideal unit for piston engines. The UST-2012LV is capable of operating in any weather and environmental condition, providing clean energy and extending the useful life of the power plants.



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-2012LV	
AC INPUT	Charges from Single Phase 85-264 Vac, Freq. 47/63 Hz, 0.75 amps
DC OUTPUT	12 VDC. (13.6@full charge) Peak start: 750 Amp Use as GPU: up to 7 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	391 mm x 307 mm x 173 mm
WEIGHT	7 kg (including cable and AN2551)
CABLE	1.5 mts Standard 3 PINS NATO AN2551 (35mm <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 (7 Amp)

## 2 Full data display



Voltage and Battery load %

## 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



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