

ULTRACAPACITOR-BASED SPACE TECHNOLOGY THAT STARTS YOUR ENGINE

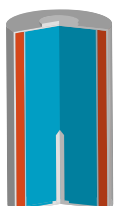
MORE STARTING POWER

ULTRACAPACITORS HAVE
MULTIPLE BENEFITS OVER
BATTERIES

ULTRACAPACITORS USE ELECTRIC FIELD (FAST)

- + ALMOST INSTANT CHARGING
AND DISCHARGING
- + HIGH POWER
- + LOW ENERGY
- + NOT TEMPERATURE SENSITIVE
- + LONG LIFETIME

BATTERIES USE A CHEMICAL REACTION (SLOW)

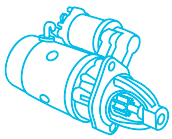
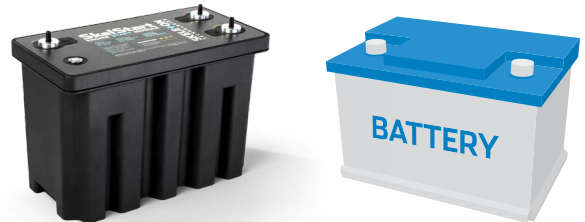


- + SLOW CHARGING
AND DISCHARGING
- + LOW POWER
- + HIGH ENERGY
- + TEMPERATURE SENSITIVE
- + SHORT LIFETIME



THE SKELSTART ENGINE START MODULE ALWAYS PROVIDES THE STARTING POWER, WHILE BATTERIES HANDLE ALL THE OTHER LOADS.

ADVANTAGES & DISADVANTAGES



**HIGH POWER
(FOR STARTING)**



**HIGH ENERGY
(FOR HOTEL LOADS)**



**ZERO TO FULL
IN MINUTES**



**LONG LIFETIME
(1 000 000 CYCLES)**



**WORKS IN EXTREME
TEMPERATURES**



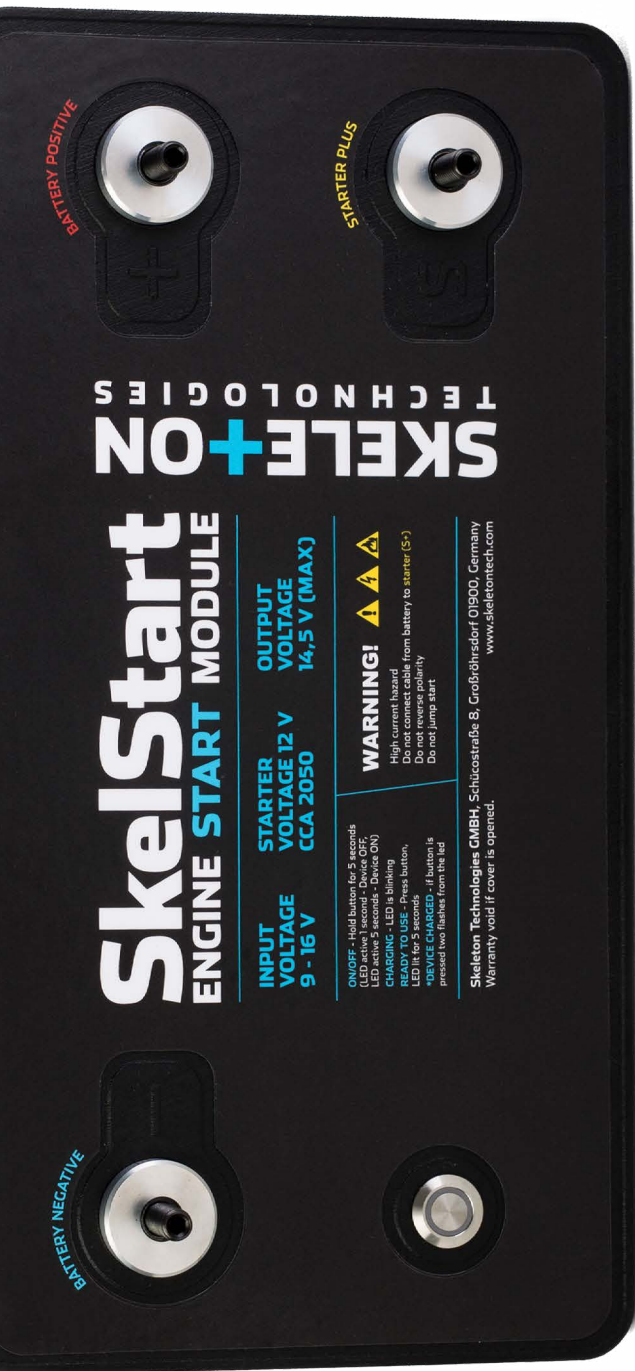
The same technology is used by the European Space Agency, which means it has been tested in the harshest environment possible - SPACE.

SkelStart is based on Skeleton Technologies' industry-leading SkelCap ultracapacitors, which have the highest power and energy density on the market. This advantage carries over to SkelStart, making it the most powerful engine start module on the market.

SkelStart

ENGINE START MODULE

12V



SPECIFICATIONS

SkelStart 12V	Unit	
Cold Cranking Amps (CCA)	A	2342
Maximum Peak Current (0,4 sec current)	A	7801
Peak Power	kW	87.5
Charged full voltage	V	14.1
Energy	Wh	35
Rated Capacitance	F	1280
Individual Cell Capacitance	F	3200
Charging current	A	16 (max)
Continuous input voltage range	V	9-16
Continuous input voltage range with specified charge time	V	11.5-16
Recharge time (from 0 V)	min	19
Operating temperature	Deg °C	-40 - +65
ESR IEC	mOhm	0.56
Standby current draw	mA	<15
Dimensions	mm	328 L x 171 W x 241 H
Weight	kg	8