

# SkelStart 24V

**MORE  
STARTING  
POWER**

ULTRACAPACITORS HAVE  
MULTIPLE BENEFITS OVER  
BATTERIES



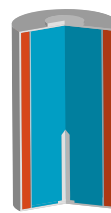
# ULTRACAPACITOR-BASED SPACE TECHNOLOGY THAT STARTS YOUR ENGINE

## ULTRACAPACITORS USE ELECTRIC FIELD (FAST)



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

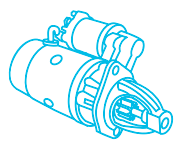
## BATTERIES USE A CHEMICAL REACTION (SLOW)



- + 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 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

## 24V



## SPECIFICATIONS

SkelStart 24V	Unit	
Cold Cranking Amps (CCA)*	A	1206
Maximum Peak Current (0.4 sec current)	A	4353
Peak Power**	kW	104
Charged full voltage	V	28.2
Energy	Wh	35
Rated Capacitance	F	320
Individual Cell Capacitance	F	3200
Charging current	A	16 (max)
Continuous input voltage range	V	18-32
Continuous input voltage range with specified charge time	V	23-32
Recharge time (from 0 V)	min	10
Operating temperature	Deg °C	-40 to +65
Standby current draw	mA	<10
Dimensions	mm	328 L x 171 W x 241 H
Weight	kg	8.5

\* Based on 1s ESR

\*\* Based on 10ms ESR

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