

DATA SHEET

SkelCap

- + Capacitance 3000 F
- + Extreme power density
- + Durable and safe aluminum casings
- + Non-Threaded terminals
- + High cycle life >1,000,000 cycles
- + RoHS & UL810A compliant





VALUE	UNIT
2.85 3.0 6.7 24 18	V V Wh/kg kW/kg kW/kg
VALUE	UNIT
-40 +65 -40	°C °C
+50	°C
1500	Hours
10 1,000,000	Years Cycles
VALUE	UNIT
3000 0.25 0.22 0.17	F mΩ mΩ
VALUE	UNIT
3.38 6.7	Wh Wh/kg
	2.85 3.0 6.7 24 18 VALUE -40 +65 -40 +50 1500 10 1,000,000 VALUE 3000 0.25 0.22 0.17 VALUE 3.38

POWER*	VALUE	UNIT
N : 1 * 1 1 1 10 FGD ((:)		
Nominal power*, calculated from 10 ms ESR (for comparison)		
Specific power, matched Impedance ⁶	23.8	kW/kg
Power density, matched Impedance ⁷	30.6	kW/L
Practical power*, calculated from 1 s ESR (for engineering)		
Power, matched impedance ⁵	9.2	kW
Specific power, matched Impedance ⁶	18.4	kW/kg
Power density, matched impedance ⁷	23.7	kW/L

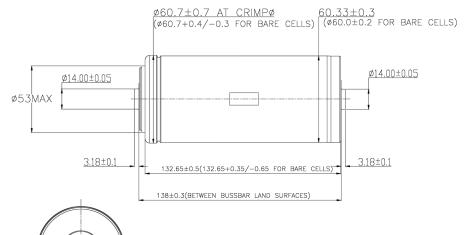
STANDARDS AND CERTIFICATIONS

Vibration Specification Shock Resistance Certifications Standards

ISO 16750-3 Table 12 IEC60068-2-27 Shock Test RoHS REACH, UL810A

THERMAL*	VALUE	UNIT
Thermal resistance, R_{ca} , typical Thermal capacitance, C_{th} , typical Max continuous current, $\Delta T = 15^{\circ}C^{8}$ Max continuous current, $\Delta T = 40^{\circ}C^{8}$	4 0.58 131 213	°C/W kJ/°C A A

PHYSICAL PARAMETERS	VALUE	UNIT
Mass. Typical	0,50	kg
Volume	0.39	L
Diameter	60	mm
Length	138	mm



*Power values calculated using DC 10ms ESR \approx AC 100Hz.

Standard markings

- + Name of manufacturer, part number, serial number, rated voltage
- + Rated capacitance, negative and positive terminals, warning marking
- + Total energy in watt-hours

Notes |

- Testing instructions available on www.skeletontech.com
- + All information provided on this data sheet and all subsequent ultracapacitors sales and testing are subject to Standard Terms of Service (ToS) available on www.skeletontech.com, document *General* Terms of Sale for Skeleton Technologies OÜ.

