



The Powerful Advantage Since 1943

La MARCHE

ISO 9001:2015 CERTIFIED

HCAP

Hybrid Supercapacitor



Hybrid Supercapacitor, Electrolytic Double Layer Capacitance (EDLC) combined with Lithium Ion, is an emerging technology that will play a key role in the future of energy systems. The La Marche Hybrid Supercapacitor can replace traditional batteries and offer a more reliable, cost-efficient solution in a single module. The Hybrid technology provides a source of **Power** for engine starting applications and **Energy** for long duration backup.

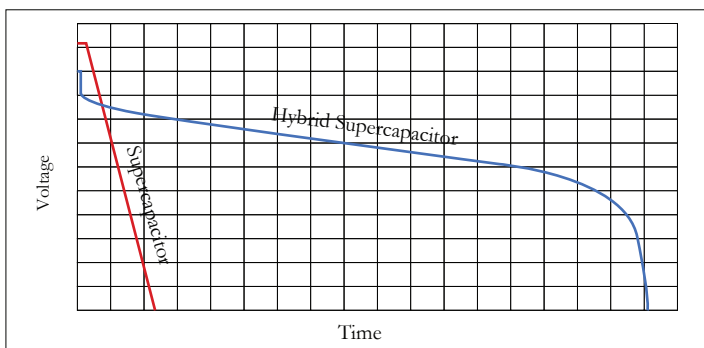
HCAP is environmentally friendly power source which does not contain heavy metals (RoHS Compliant), is non-flammable, and poses no risk of explosion or thermal run away.

Specifications	HCAP-13.5-17-200	HCAP-13.5-10-600	HCAP-13.5V-25-900	HCAP-27V-10-600	HCAP-27V-25-900	
GENERAL	Rated Capacity	17Ah	10Ah	25Ah	10Ah	25Ah
	Cranking Amps	200A	600A	900A	600A	900A
	Total Energy	210 Wh	125 Wh	280 Wh	250 Wh	600 Wh
	Charging Voltage	13.5V	13.5V	13.5V	27V	27V
	Rated Voltage	12V	12V	12V	24V	24V
	Max Voltage	13.5V	13.5V	13.5V	27V	27V
	Min. Voltage	9V	9V	9V	17V	17V
	Module Capacitance	1,000F	6,000F	10,000F	3,000F	10,000F
	ESR	12 mΩ	10 mΩ	6 mΩ	15 mΩ	12 mΩ
	Max. Continuous Current	70 A	100 A	150 A	100 A	150 A
	Self Discharge (T = 25°C)	180 Days	180 Days	180 Days	180 Days	180 Days
	Dielectric Strength	2,500 VDC	2,500 VDC	2,500 VDC	2,500 VDC	2,500 VDC
	Compliance	ROHS	ROHS	ROHS	ROHS	ROHS
MECHANICAL	Terminals	SAE 3/8"-16 UNC	SAE 3/8"-16 UNC	SAE 3/8"-16 UNC	SAE 3/8"-16 UNC	SAE 3/8"-16 UNC
	Dimensions (W x D x H)	10 x 6.5 x 8.5"	10 x 6.5 x 8.5"	10 x 6.5 x 8.5"	10 x 6.5 x 8.5"	12.75 x 6.5 x 8.5"
	Weight	12.45 lbs	10.0 lbs	15.8 lbs	15.0 lbs	24.25 lbs
ENVL.	Operating Temperature	-40°C~+65°C	-40°C~+65°C	-40°C~+65°C	-40°C~+65°C	-40°C~+65°C
	Storage Temperature	-40°C~+70°C	-40°C~+70°C	-40°C~+70°C	-40°C~+70°C	-40°C~+70°C

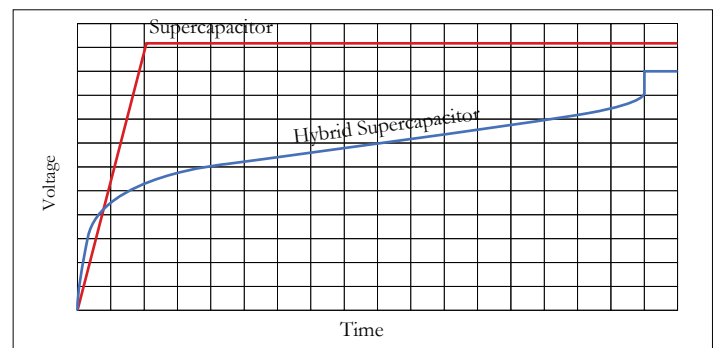
* UL 2200 Pending

Supercapacitor vs. Hybrid Supercapacitor

Const-Current Discharge Curve



Const-Current Charge Curve



Specifications subject to change without notice

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