

837-1 PALBOK-2GA, DEOKJIN, JEONJU, JEONBUK, 561-844, KOREA**TEL: +82 63 715 3020****FAX: +82 63 715 3021****E-mail : hycap@vina.co.kr****<http://www.vina.co.kr>****Ref. No. : VN20201201-001****1st Dec. 2020****To: Valued customers and partners****From: VinaTech Co., Ltd.****Subject: [Supercapacitor Transportation Regulations](#)**

Dear valued customers,

We would like to confirm that all supercapacitor products from VinaTech follow UN3499, 'Capacitor, electric double layer, 9.' as below:

Category	Item	Standard	Marking
Energy storage capacity < 0.3wh	0.5F - 100F	Not subject to DGR	Capacitor must be marked with the energy storage capacity in Wh
0.3wh < Energy storage capacity ≤10wh	360F - 500F	UN3499	
10wh < Energy storage capacity	Module	UN3499	

VinaTech supercapacitors are designed to withstand 1.2m drop test.

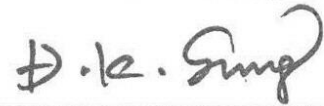
VinaTech supercapacitors or modules are fully discharged and protected against short circuit or fitted with a metal strap connecting terminals.

Transportation Information:

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA): This product is listed in the IATA Dangerous Goods Regulation under the listing for capacitor, electric double layer with an energy storage capacity greater than 0.3 Wh. However, electric double layer capacitors with an energy storage capacity of 10 Wh or less, including when configured in a module, are not subject to other provisions of the Dangerous Goods Regulation and do not need to be shipped as dangerous goods when they are packaged in a manner that protects them from short circuits or fitted with a metal strap connecting the terminals. Cells with a storage capacity greater than 10 Wh must be shipped as dangerous goods, per IATA regulations. Proper IATA shipping name: UN3499, capacitor, electric double layer, 9. (See A186, SP361)

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION: This product is listed in the IMO Dangerous Goods Regulation (IMDG) under the listing for capacitor, electric double layer with an energy storage capacity greater than 0.3 Wh. However, electric double layer capacitors with an energy storage capacity of 10 Wh or less, including when configured in a module, are not subject to other provisions of the IMDG regulations and do not need to be shipped as dangerous goods when they are packaged in a manner that protects them from short circuits or fitted with a metal strap connecting the terminals. Cells with a storage capacity greater than 10 Wh must be shipped as dangerous goods, per IMO regulations. Proper IMO IMDG shipping name: UN3499, capacitor, electric double layer, 9. (See 36-12)

VINA TECH CO., LTD.



D.K.SUNG / President

VINA TECH CO., LTD.