

Test item description	Rechargeable Li-ion Cell
Trade Mark	N/A
Manufacturer	Huizhou BYD Battery Co., Ltd Xiangshui River, Economic Development Zone, Daya Bay, 516083 Huizhou, Guangdong, PEOPLES REPUBLIC OF CHINA
Model/Type reference	C15FKGD
Ratings	3.2Vd.c., 320Ah

Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):

Testing Laboratory	TÜV SÜD New Energy Testing (Guangdong) Co., Ltd.	
Testing location/ address	North-1/F, 2/F & Unit 301-3/F, TÜV SÜD Testing Center, D1, No. 63 Chuangqi Road, Shilou Town, Panyu District, Guangzhou 511447, China	
Tested by (name, function, signature)	5.1.2e (Project Handler)	5.1.2e
Approved by (name, function, signature) ...	5.1.2e (Designated Reviewer)	5.1.2e

Summary of testing:

Summary of cell level testing:	
Cell model number	C15FKGD
Nominal voltage and rated capacity	3.2Vd.c., 320Ah
Cell chemistry	LFP
Whether UL 1973 compliant	No
Method used to initiate thermal runaway	Heating the cell with externally applied flexible film heaters that cover two wider side surfaces of the cell
Gas generation and composition	see Table 2
Average vent temperature of the samples tested excluding the gas collection sample	231.3°C
Average thermal runaway temperature of the samples tested excluding the gas collection sample	277.7°C
The lower flammability limit of the cell vent gas at ambient temperature	LFL=5.8% at 25°C
The lower flammability limit of the cell vent gas at vent temperature	LFL=4.2% at 231 °C
Burning velocity of the cell vent gas	$S_D=0.749\text{m/s}$
P_{max} of the cell vent gas	$P_{max}=1.82\text{MPa}$ at 23 °C
Performance - cell level test:	
a) Thermal runaway cannot be induced in the cell, and	No
b) The cell vent gas does not present a flammability hazard when mixed with any volume of air, as determined in	No

Legenda toegepaste uitzonderingsgrondslagen

In dit document zijn gegevens definitief geanonimiseerd op grond van:

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