



02 82D6J7-20Ah

Item	Specification	Remark
Cell model number	82D6J7	Pouch Cell
Dimensions	Max:8.2mm(T)*137mm(W)*187.5mm(H)	
Cell chemistry	NCM523+Gr	
Nominal voltage (V)	3.7	
Nominal capacity (mAh)	20000	
Voltage range (V)	3.0-4.2	
Continuous discharge current	Max 400A (20C) Min 10A (0.5C)	
Peak discharge current	900A(45C)2s, 50%SOC@25°C (Discharge to 2.8V) 700A(35C)10s, 50%SOC@25°C (Discharge to 2.8V)	
Continuous charge current	Max 100A (5C) Min 10A (0.5C)	
Peak charge current	440A (22C)2s, 50%SOC@25°C 360A (18C)10s, 50%SOC@25°C	
ACIR	≤ 1 mΩ	
DCIR	≤ 5 mΩ	90%SOC@25°C,0.5C10s
	≤ 1.5 mΩ	90%SOC@25°C,30C10s
Max operating temp.	Charge for continuous duty: 55°C Charge for intermittent duty: 60°C	
	Discharge for continuous duty: 45°C Discharge for intermittent duty: 70°C	
Weight	≤ 470g	

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