

LITHIUM-FREE SOLID-STATE BATTERY

PRODUCT DATA SHEET MODEL **TNO-S-21700** (원통형 · 고출력형)

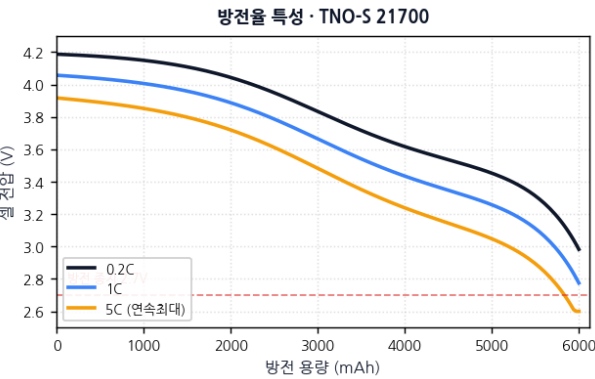
● CELL CHARACTERISTICS

Capacity	Typical	6,000 mAh	Minimum	5,850 mAh
	Energy	24.0 Wh	Min. E.	23.4 Wh
Cell Voltage	Nominal	4.0 V	Charge	4.2 V
	Discharge	2.5 V	Chemistry	TNO-S Solid
Impedance	AC, 1000Hz	≤ 25mΩ	Weight	73.5g

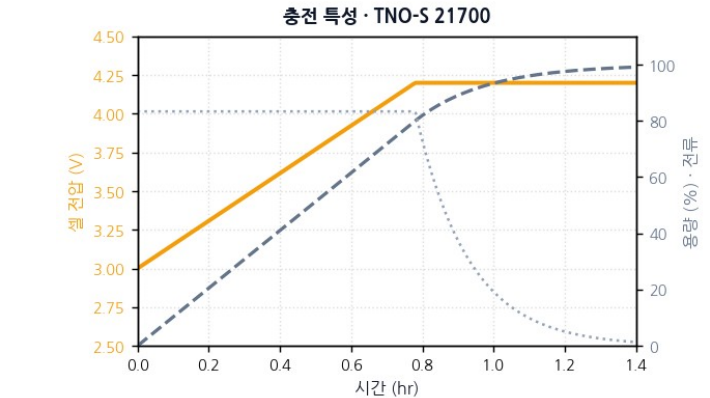
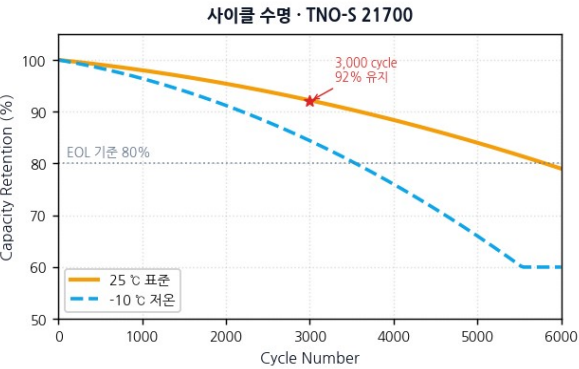
● Charge Characteristics

Charge (70°C cut-off)	Standard	0.2 C	Maximum	1.5C
Cut-off	Voltage	4.2V	Current	≤ 100mA

● Discharge Rate Characteristics



● Cycle Characteristics @ -25°C



Discharge	Standard	1C	Pulse	8 C / 10 sec · 10 C / 5 sec 펄스
Ambient Temperature	Charge	-25 °C ~ +60 °C (70 °C cut-off)	Discharge	-25 °C ~ +80 °C (80 °C cut-off)
Energy Density	Volumetric	990 Wh/L	Gravimetric	320 Wh/kg
Cycle Life	UL Lifecycle	8 년	Cycles	3,000+ @25°C

● Physical Characteristics



△ APPLICATION · 정찰드론 · 로봇 · UGV · 군용통신

KCC 시험성적서 (KTC)	UL 열폭주 (Thermal Runaway)	UL Lifecycle (10 년 검증)
GT2025-14017	ULTR-2025-14017	ULLC-2025-14017

KBIA SPS-C KBIA-10104-03 · KC 안전인증 · IATF 16949 · CE · FCC · NATO 7.62 mm 관통시험통과

KOREA HEADQUARTERS BK Dongyeong Tech Co., Ltd. 경기도 수원시 권선구 오목천로 152 번길 75 TEL: 031-XXX-XXXX	GIMJE MASS-PRODUCTION PLANT 전라북도김제시 김제산업단지 13,885 m ² · 0.3 GWh/y Class 5,000 Cleanroom	CONTACT Web: www.bk-dongyeong.com IR: ir@bk-dongyeong.com Sales: contact@bk-dongyeong.com TEL: 1899-XXXX
---	--	--