

THOR 6030 | 6S3P FPV Drone Battery Pack

Product Overview

Application: High-performance FPV drones, UAS, Robotics
Assembled in USA with Taiwanese Cells
Cell Configuration: 6S3P (6 series, 3 parallel)
Nominal Voltage: 21.6V
Nominal Capacity: 15,000 mAh
Energy: ~324 Wh
Chemistry: Lithium Ion
Cell Type: Molicel INR-21700-P50B, or Molicel INR-21700-P45B

Electrical Specifications

Parameter	Value
Nominal Voltage	21.6 V
Charge Voltage (max)	25.2 V
Cutoff Voltage	15.3 V
Capacity (nominal)	15,000 mAh
Energy (typical)	324 Wh
Max Continuous Discharge	65 A
Max Burst Discharge	140 A for <10s
Max Charge Current	15 A
Recommended Charge Rate	0.5°C to 1°C
Thermal Management	Passive air-cooled

Mechanical Specifications

Cell Format: 21700 cylindrical
Pack Dimensions: ~163 x 70 x 70 mm
Weight: 1350 ± 50 g
Connector Type: XT60H-F (2 pin)
Balancing Lead: JST-XHP-7 (7 pin)
Housing: Heat shrink + foam padding

Environmental and Safety Ratings

Operating Temp (discharge): -40°C to +60°C
Operating Temp (charge): -20°C to +60°C
Storage Temp: <35°C, <23°C long term
Cycle Life: >500 cycles @ ≤80% DoD under normal operating conditions
Certifications (Cells): UN38.3, IEC 62133, UL1642
Certifications (Pack): N/A
BMS / Protection: None



Safety & Handling

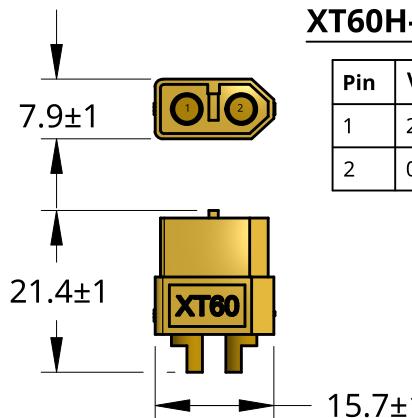
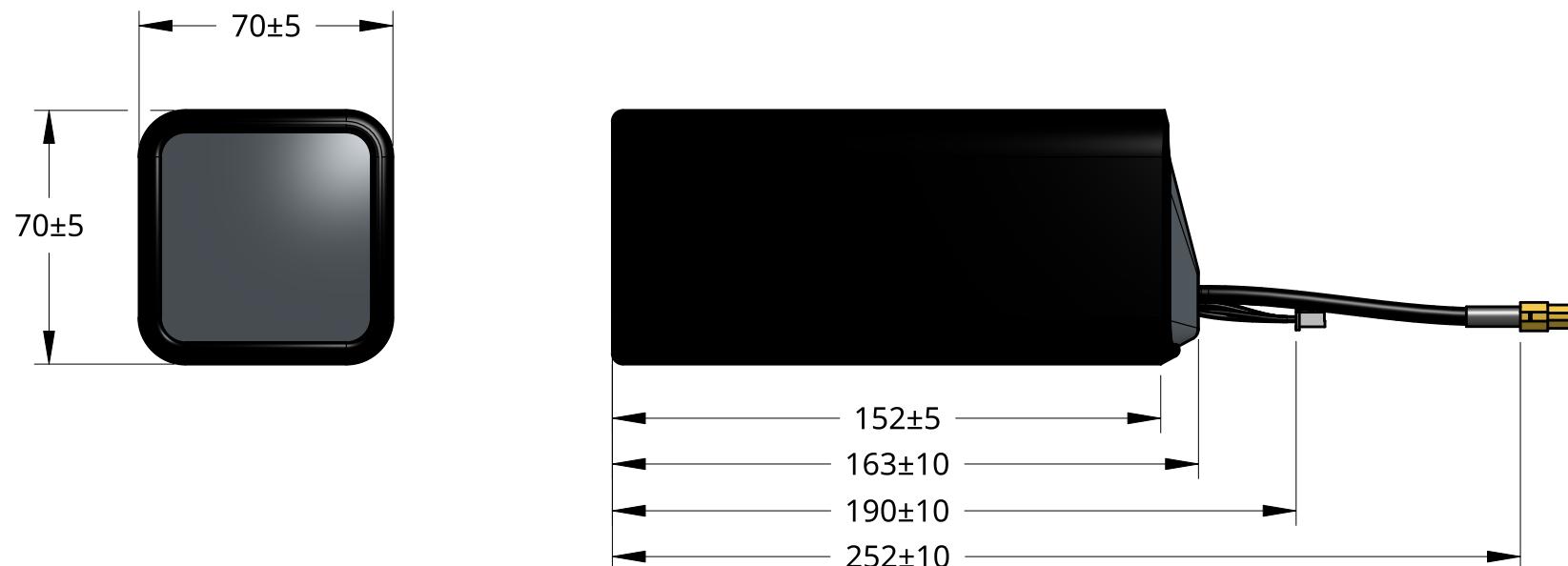
Storage Voltage: 21 V pack voltage (3.5 V cell)
Avoid over-discharge below 3.0 V/cell
Do not puncture, crush, drop, overheat, or short-circuit
Use proper cell balance when charging
Monitor pack temperature during use
Fuse or protect high current paths
Intended for use only within electrical and environmental specifications

Warranty & Disclaimers

Warranty: 2 months from date of delivery
Limitations: Excludes crash, water, overcurrent damage, and use outside specifications
Disclaimer: Performance depends on usage and conditions

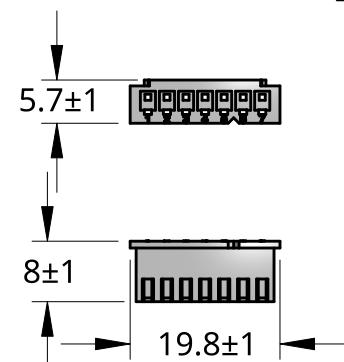
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	CHECKED	JAKE WHINNERY	7/30/25			
	APPROVED					
	DO NOT SCALE DRAWING					
THIRD ANGLE PROJECTION	MATERIAL	FINISH	N/A	SIZE	DWG NO.	REV.
	Misc.		N/A	A	0000-501	A
	SCALE				SHEET	1 of 2

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XT60H-F (10-12 AWG Wire)

Pin	Voltage (typical)	Voltage Range
1	21.6 V	18.0 V - 25.2 V
2	0.0 V	0V (REF)



JST-XHP-7 (22-24 AWG Wire)

Pin	Voltage (typical)	Voltage Range
1	21.6 V	18.0 V - 25.2 V
2	18.0 V	15.0 V - 21.0 V
3	14.4 V	12.0 V -- 16.8 V
4	10.8 V	9.0 V - 12.6 V
5	7.2 V	6.0 V - 8.4 V
6	3.6 V	3.0 V - 4.2 V
7	0.0 V (REF)	0.0 V (REF)

*** These are cumulative voltages measured with respect to Pin 7