

# 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

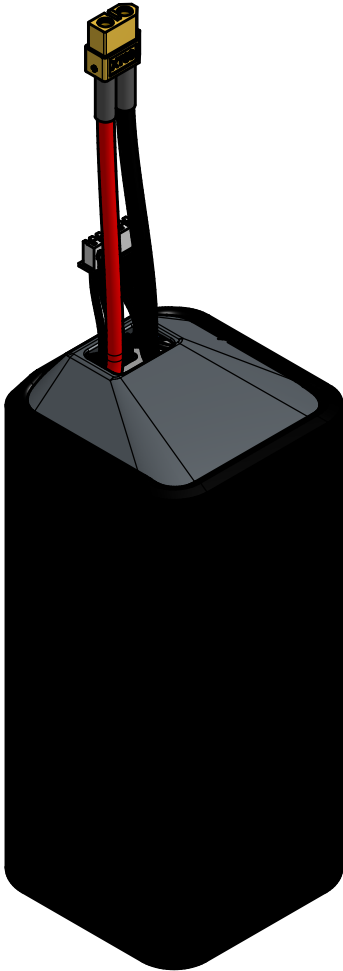
Parameter	Value
Nominal Voltage	21.6 V
Charge Voltage (max)	25.2 V
Cutoff Voltage	15.3 V
Capacity (nominal)	15,000 mAh
Energy (typical)	324 Wh
Max Continuous Discharge	65 A
Max Burst Discharge	140 A for <10s
Max Charge Current	15 A
Recommended Charge Rate	0.5°C to 1°C
Thermal Management	Passive air-cooled

## Mechanical Specifications

Cell Format: 21700 cylindrical  
Pack Dimensions: ~163 × 70 × 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

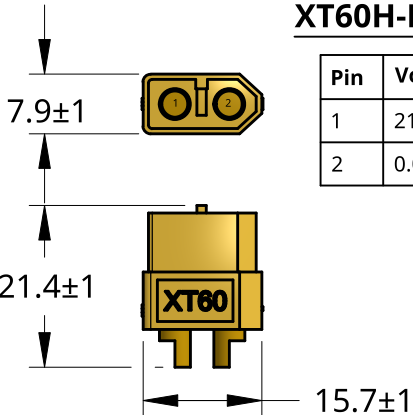
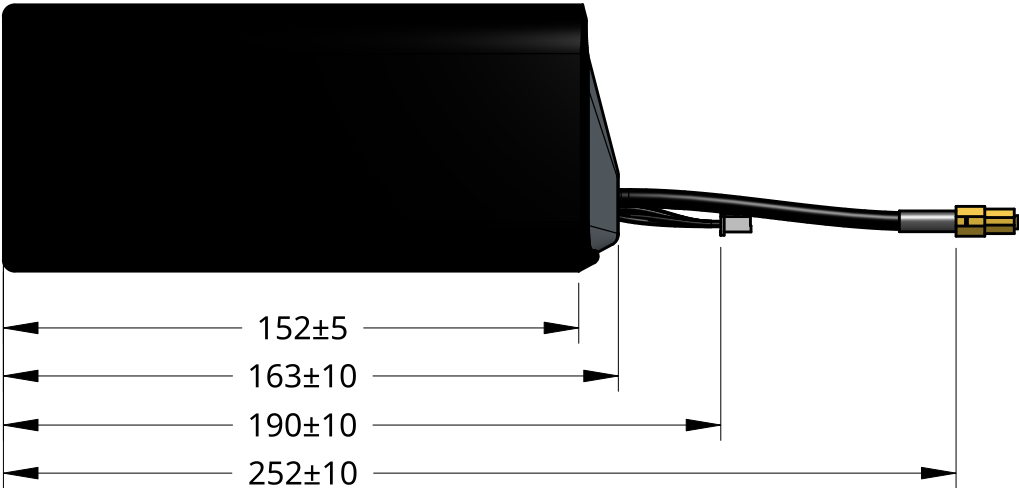
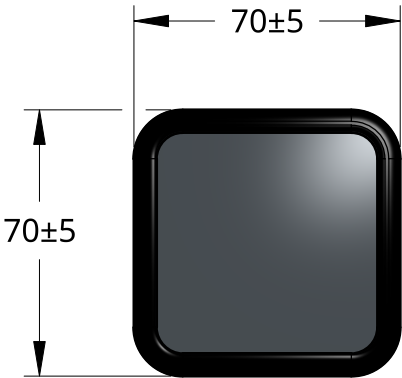
Storage Voltage: 21 V pack voltage (3.5 V cell)  
Avoid over-discharge below 3.0 V/cell  
Do not puncture, crush, drop, overheat, or short-circuit  
Use proper cell balance when charging  
Monitor pack temperature during use  
Fuse or protect high current paths  
Intended for use only within electrical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

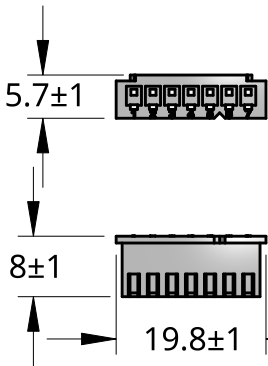
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS		NAME	DATE	WAKE ENERGY Inc.		
	DRAWN	WILDER BUCHANAN	07/29/2025	TITLE  <b>THOR 6030</b> 6S3P FPV DRONE BATTERY PACK		
	CHECKED	JAKE WHINNERY	7/30/25			
	APPROVED					
DO NOT SCALE DRAWING						
THIRD ANGLE PROJECTION	MATERIAL	FINISH		SIZE	DWG NO.	REV.
	Misc.	N/A		A	0000-501	A
		SCALE		SHEET		1 of 2

# THOR 6030 | 6S3P FPV Drone Battery Pack



**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