



Global Leading Energy Storage Manufacturing Base

PRODUCT CATALOG

Semi-Solid State Battery Series 3.7V



Ultralight,Capacity Increase **30% +**

Ultra-high Energy Density **400Wh/kg +**

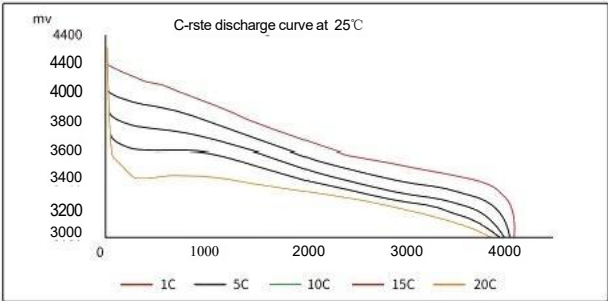
Semi-solid Polymer



Burst Discharge **10C +**



ODM&OEM Acceptable



Model Name	Capacities	Volts	Weight	Dimension(H*W*L)	Energy Density
7375175NSH4	22Ah	3.7V	210g	≤7.6≤76≤177	400Wh/kg
8275175NSH4	25Ah	3.7V	237g	≤8.5≤76≤177	400Wh/kg
10775175NSH4	33Ah	3.7V	312g	≤11.2≤76≤177	400Wh/kg
9987191NSH4	39Ah	3.7V	365g	≤10.4≤88≤192	400Wh/kg
11589195NSH4	47Ah	3.7V	443g	≤11.8≤90≤197	400Wh/kg
80150267NSH4	72Ah	3.7V	665g	≤8.4≤151≤269	400Wh/kg
90150267NSH4	80Ah	3.7V	735g	≤9.5≤151≤269	400Wh/kg



Semi-Solid State Battery Series 3.7V

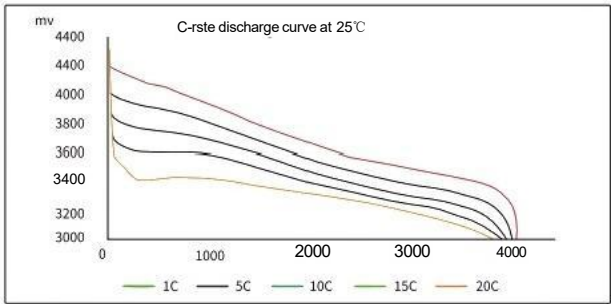
 Ultralight,Capacity Increase**20% +**

Ultra-high Energy Density **350Wh/kg +**

 Semi-solid Polymer

 Burst Discharge**10C +**

 ODM&OEM Acceptable



Model Name	Capacities	Volts	Weight	Dimension(H*W*L)	Energy Density
6559156NSH5	12. 5Ah	3. 7V	132g	≤6. 5≤59≤156	350Wh/kg
7759156NSH5	15Ah	3. 7V	160g	≤7. 7≤59≤158	350Wh/kg
8575175NSH5	22Ah	3. 7V	258g	≤8. 5≤75≤177	350Wh/kg
10575175NSH5	29. 5Ah	3. 7V	305g	≤10. 7≤76≤177	350Wh/kg
10675175NSH5	30Ah	3. 7V	312g	≤10. 6≤75≤177	350Wh/kg
10787191NSH5	36Ah	3. 7V	384g	≤12≤88≤192	350Wh/kg
11287191NSH5	40Ah	3. 7V	405g	≤10. 8≤88≤192	350Wh/kg
110142231NSH5	67Ah	3. 7V	740g	≤110≤143≤233	350Wh/kg



Semi-Solid State Battery Series

Application Scenarios:Large-load logistics and transportation -Firefighting
-Emergency response -Industrial mapping -Security

Ultralight,Capacity Increase 20% +	Ultra-high Energy Density	350wh/kg +
Semi-solid Polymer	Burst Discharge 10C +	
ODM&OEM Acceptable		



Model name	Dimension(H*W*L)	Weight	Discharge rate	Energy Density	Plug
BP-12500mah 6s 22.2V	40*60*171mm	990g	10C	350wh/kg	XT90/XT90S
BP-15000mah 6s 22.2V	48*60*176mm	1160g	10C	350wh/kg	XT90/XT90S
BP-22000mah 6s 22.2V	52*75*192mm	1750g	10C	350wh/kg	XT90S/XT150
BP-29500mah 6s 22.2V	65*76*192mm	2030g	10C	350wh/kg	XT90S/XT150
BP-30000mah 6s 22.2V	65*75*192mm	2070g	10C	350wh/kg	XT90S/XT150
BP-36000mah 6s 22.2V	65*88*207mm	2500g	10C	350wh/kg	XT90S/XT150
BP-40000mah 6s 22.2V	65*88*207mm	2630g	10C	350wh/kg	XT90S/XT150
BP-67000mah 6s 22.2V1	66*145*250mm	4640g	10C	350wh/kg	XT90S/XT150

Semi-Solid State Battery Series

 Application scenario: Drones for industry applications such as vertical take-off and landing drones(eVTOL), exploration drones, weather drones, decoy drones, mapping drones, and inspection/surveillance drones

 Semi-solid Polymer

 Ultralight, Capacity Increase **20% +**

 Ultra-high Energy Density **350wh/kg +**

 Burst Discharge **10C +**

 ODM&OEM Acceptable



Battery Type	Model	Dimension (H*W*L)	Weight	Discharge rate	Energy Density	Plug
Industrial Drones	BP-12500mah 6s 22.2V	40*60*171mm	990g	10C	350wh/kg	XT90/XT90S
	BP-12500mah 12s 44.4V	78*59*171mm	1750g	10C	350wh/kg	XT90/XT90S
	BP-15000mah 6s 22.2V	48*60*176mm	1160g	10C	350wh/kg	XT90/XT90S
	BP-15000mah 12s 44.4V	93*60*176mm	2120g	10C	350wh/kg	XT90/XT90S
	BP-22000mah 6s 22.2V	52*75*192mm	1750g	10C	350wh/kg	XT90S/XT150
	BP-22000mah 12s 44.4V	102*75*192mm	3300g	10C	350wh/kg	XT90S/XT150
	BP-29500mah 6s 22.2V	65*76*192mm	2030g	10C	350wh/kg	XT90S/XT150
	BP-29500mah 12s 44.4V	129*76*195mm	3860g	10C	350wh/kg	XT90S/XT150
	BP-30000mah 6s 22.2V	65*75*192mm	2070g	10C	350wh/kg	XT90S/XT150
	BP-30000mah 12s 44.4V	129*75*192mm	3950g	10C	350wh/kg	XT90S/XT150
	BP-36000mah 6s 22.2V	65*88*207mm	2500g	10C	350wh/kg	XT90S/XT150
	BP-36000mah 12s 44.4V	130*88*207mm	4808g	10C	350wh/kg	XT90S/XT150
	BP-40000mah 6s 22.2V	65*88*207mm	2630g	10C	350wh/kg	XT90S/XT150
	BP-40000mah 12s 44.4V	130*88*207mm	5060g	10C	350wh/kg	XT90S/XT150
	BP-67000mah 6s 22.2V	66*145*250mm	4640g	10C	350wh/kg	XT90S/XT150
	BP-67000mah 12s 44.4V	132*145*250mm	9080g	10C	350wh/kg	XT90S/XT150

Semi-Solid State Battery Series

High Discharge Voltage Platform **High tension 3.85V**

ODM&OEM Acceptable

Ultra-high Energy Density **260wh/kg +**

Burst Discharge **10C +**



Model Name	Capacities	Volts	Weight	Dimension(H*W*L)	Energy Density
8060145H5-HV	10Ah	3.85V	155g	≤8.4≤61≤147	260Wh/kg
8575175SH5-HV	16Ah	3.85V	250g	≤8.6≤75≤176	260Wh/kg
11070162SH5-HV	18Ah	3.85V	280g	≤11.5≤70 ≤165	260Wh/kg
12075175SH5-HV	22Ah	3.85V	340g	≤12.2≤75≤175	260Wh/kg
11590185SH5-HV	28Ah	3.85V	420g	≤11.8≤91≤187	260Wh/kg
12090185SH5-HV	30Ah	3.85V	455g	≤12.6≤91≤187	260Wh/kg
105105210SH5-HV	33Ah	3.85V	503g	≤10.7≤106≤211	260Wh/kg
110105210SH5-HV	36Ah	3.85V	548g	≤11.5≤106≤211	260Wh/kg
120105210SH5-HV	40Ah	3.85V	589g	≤12.4≤106≤211	260Wh/kg

Hybrid solid-state high-pressure battery pack

Model Name	Volts	Dimension(H*W*L)	Weight	Magnifications	Energy Density
6S-10Ah	23.1V	51*61*162mm	1130g	10C	260Wh/kg
6S-16Ah	23.1V	52*75*191mm	1700g	10C	260Wh/kg
6S-18Ah	23.1V	69*70*180mm	1880g	10C	260Wh/kg
6S-22Ah	23.1V	74*75*190mm	2250g	10C	260Wh/kg
6S-28Ah	23.1V	61*91*205mm	2720g	10C	260Wh/kg
6S-30Ah	23.1V	76*91*205mm	2900g	10C	260Wh/kg
6S-33Ah	23.1V	62*106*230mm	3220g	10C	260Wh/kg
6S-36Ah	23.1V	67*106*230mm	3450g	10C	260Wh/kg
6S-39Ah	23.1V	73*106*230mm	3450g	10C	260Wh/kg

Semi-Solid State Battery Series



High Discharge Voltage Platform Uniform pressure 3.95V

Ultra-high Energy Density 275-300Wh/kg +



Burst Discharge 10C+

ODM&OEM Acceptable

Semi-solid general voltage 3.7V battery model

Model Name	Capacities	Volts	Weight	Dimension(H*W*L)	Energy Density
12044125SH7	10Ah	3.7V	134g	$\leq 12.4 \leq 45 \leq 128$	275Wh/kg
12044125NSH5	12.5Ah	3.7V	140g	$\leq 12.3 \leq 45 \leq 128$	275Wh/kg
7775175SH7	16Ah	3.7V	226g	$\leq 7.8 \leq 75 \leq 175$	275Wh/kg
10575175SH7	22Ah	3.7V	295g	$\leq 10.9 \leq 75 \leq 175$	275Wh/kg
10587191SH5	27Ah	3.7V	356g	$\leq 10.8 \leq 88 \leq 192$	275Wh/kg
11090185SH7	30Ah	3.7V	402g	$\leq 11.4 \leq 91 \leq 187$	275Wh/kg

Semi-solid general voltage 3.7V battery(finished product)

Model Name	Volts	Dimension(H*W*L)	Weight	Magnifications	Energy Density
6S-10Ah	22.2V	72*44*140mm	1000g	10C	275Wh/kg
6S-12Ah	22.2V	72*44*140mm	1150g	10C	275Wh/kg
6S-16Ah	22.2V	47*75*190mm	1550g	10C	275Wh/kg
6S-22Ah	22.2V	65*75*190mm	1970g	10C	275Wh/kg
6S-27Ah	22.2V	65*88*210mm	2350g	10C	275Wh/kg
6S-30Ah	22.2V	68*91*205mm	2610g	10C	275Wh/kg

Semi-solid ultra-high voltage 4.45V battery cell

Model Name	Capacities	Volts	Weight	Dimension(H*W*L)	Energy Density
12087191SH5-HV 4.45V	33Ah	3.95V	458g	$\leq 12.2 \leq 88 \leq 192$	285Wh/kg
95118200NSH5-HV 4.45V	35Ah	3.95V	498g	$\leq 9.7 \leq 119 \leq 202$	280Wh/kg
94164235SH-HV 4.45V	66Ah	3.95V	854g	$\leq 9.8 \leq 164 \leq 236$	300Wh/kg

MODEL TRAVERSING DRONE BATTERY

Application scenario: Suitable for FPV traverser,model drone,remote control car,remote control boat,electric helicopter

High Discharge C-rate,Burst up to **120C+**

Safety and Stability

ODM&OEM Acceptable



Battery Type	Model Name	Series	Volts	Dimension(H*W*L)	Weight	Discharge rate	Plug
FPV Model traversing drone battery	BP-1300mah	6s	22. 2V	48*35*70mm	290g	120C	XT60
	BP-1500mah	6s	22. 2V	47. 5*38*73mm	235g	200C	XT60
	BP-1800mah	6s	22. 2V	53*39*74mm	275g	180C	XT60
	BP-2200mah	6s	22. 2V	39*35*117mm	330g	180C	XT60
	BP-4000mah	6s	22. 2V	45*46*140mm	620g	70C	XT60
	BP-5200mah	6s	22. 2V	56*46*140mm	770g	70C	XT60
	BP-6000mah	6s	22. 2V	63*46*140mm	850g	70C	XT60
	BP-8000mah	6s	22. 2V	52*72*155mm	1160g	70C	XT60
	BP-9500mah	6s	22. 2V	57*62*175mm	1230g	40C	XT60
	BP-10000mah	6s	22. 2V	62*62*175mm	1300g	40C	XT90S XT150

FPV Battery

Model traversing drone battery

Application scenario: Suitable for FPV traverser,model drone,
remote control car,remote control boat,electric helicopter **High tension HV**

High Discharge C-rate,Burst up to **70C +**

Safety and Stability

ODM&OEM Acceptable



Battery Type	Capacities	Series	Volts	Dimension(H*W*L)	Weight	Discharge rate	Plug
High-voltage battery Model aircraft flying through drone batteries	BP-6000mah	6s	22.8v	40*44*135mm	762g	70C	XT60
	BP-7500mah	6s	22.8v	62*44*135mm	870g	70C	XT60
	BP-8000mah	6s	22.8v	44*70*150mm	1000g	70C	XT60
	BP-9000mah	6S	22.8v	64*44*158mm	1050g	70C	XT60
	BP-10000mah	6s	22.8v	50*60*170mm	1230g	70C	XT60
	BP-12000mah	6s	22.8v	60*74*175mm	1380g	70C	XT60
	BP-6500mah	6S	23.1v	52*43*140mm	750g	70C	XT60
	BP-8500mah	6S	23.1v	69*43*140mm	950g	70C	XT60
	BP-9500mah	6S	23.1v	65*45*160mm	1040g	70C	XT60
	BP-12000mah	6S	23.1v	41*74*175mm	1260g	70C	XT60

HELICOPTER BATTERIES

RC helicopter drone

Suitable for short-term high-speed discharge
such as RC Helicopter/RC Aircraft/RC Arplanes/RC Quadcopter ect.

Maximum discharge rate of 40c.Support

3.7V/3.8V/3.85V selection.

Support 1c charge rate.

A grade battery cell

Long life cycle

Low Internal Resistance

Stable Performance



Battery Type	Capacities	Series	Volts	Dimension (H*W*L)	Weight	Discharge rate	Plug
Remote-controlled helicopter drone Hot RC Helicopter Battery	BP-1500mAh	6s	22. 2V	51*35*75mm	360g	40C	Dean/XT60
	BP-2200mAh	6s	22. 2V	53*34*92mm	420g	40C	Dean/XT60
	BP-3900mAh	6s	22. 2V	52*34*140mm	560g	40C	Dean/XT60
	BP-4800mAh	6s	22. 2V	44*43*140mm	690g	40C	Dean/XT60
	BP-5000mAh	6s	22. 2V	52*43*140mm	730g	40C	Dean/XT60
	BP-6000mAh	6s	22. 2V	60*43*140mm	875g	40C	Dean/XT60
	BP-5000mAh	12s	44. 4V	63*50*270mm	1352g	40C	XT60
	BP-6000mAh	12s	44. 4V	60*86*140mm	1556g	40C	XT60

AGRICULTURAL DRONE BATTERY SERIES

Application scenario: Multi-axis drone helicopter, fixed-wing drone, aerial camera, all kinds of agricultural drones, weather drones

High Discharge C-rate, Burst up to **25C** +

High Capacity, Long Endurance

ODM&OEM Acceptable



Battery Type	Capacities	Series	Volts	Dimension (H*W*L)	Weight	Discharge rate	Plug
Agricultural drones Agricultural drones	BP-10000mah	6s	22. 2V	60*60*170mm	1370g	25C	XT90/XT90S
	BP-12000mah	6s	22. 2V	54*74*185mm	1600g	25C	XT90/XT90S
	BP-16000mah	6s	22. 2V	66*74*185mm	2060g	25C	XT90/XT90S
	BP-22000mah	6s	22. 2V	66*91*210mm	2800g	25C	XT90S/XT150
	BP-30000mah	6s	22. 2V	61*105*245mm	3530g	25C	XT90S/XT150

SMART BATTERY SERIES-SOFT PACK



Leading battery cells offer long-lasting and powerful performance



Lightweight body can handle greater loads



High energy density provides longer battery life



Built in intelligent control ensures safety and visibility



	10C 18S2P 66.6V 70000mAh	
	Max. Charging Current: 1C	Model: T1190190EF
	Net Weight ($\pm 100g$): 15000g	Cycle Life: ≥ 500
	Dimensions: 215(T) * 190(W) * 220(H) mm	

	25C 14S1P 53.2V 20000mAh	
	Max. Charging Current: 5C	Model: P1090190SH
	Net Weight ($\pm 100g$): 5700g	Cycle Life: ≥ 800
	Dimensions: 150(T) * 96(W) * 255 (H) mm	

	10C 24S2P 88.8V 70000mAh	
	Max. Charging Current: 1C	Model: T1190190EF
	Net Weight ($\pm 100g$): 19800g	Cycle Life: ≥ 500
	Dimensions: 285(T) * 190(W) * 220(H) mm	

	25C 14S1P 53.2V 22000mAh	
	Max. Charging Current: 3C	Model: P1190190GH
	Net Weight ($\pm 100g$): 6400g	Cycle Life: ≥ 600
	Dimensions: 162(T) * 93(W) * 255 (H) mm	

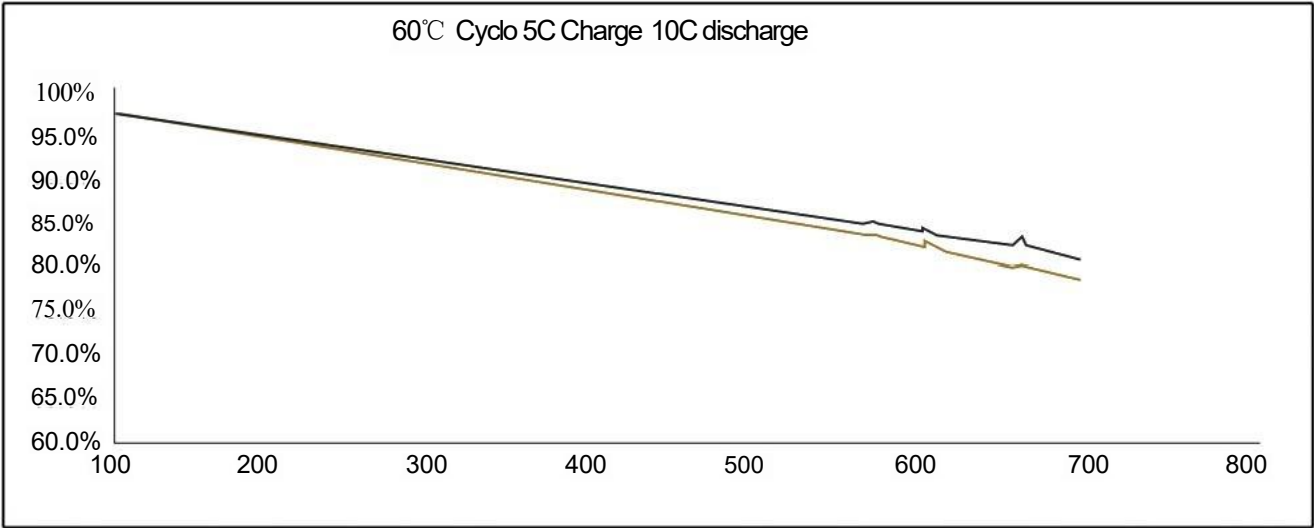
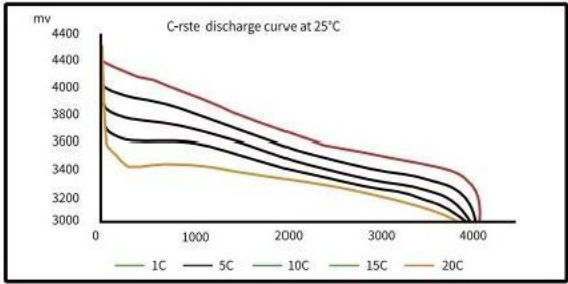
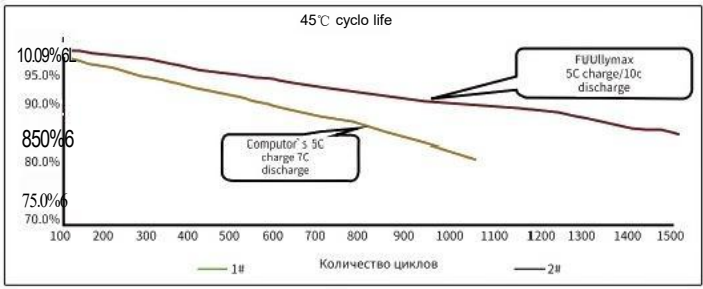
	15C 18S2P 66.6V 90000mAh	
	Max. Charging Current: 1C	Model: T12105212K
	Net Weight ($\pm 100g$): 19800g	Cycle Life: ≥ 500
	Dimensions: 230(T) * 220 (W) * 240(H) mm	

	25C 14S1P 53.2V 30000mAh	
	Max. Charging Current: 5C	Model: P12105212SH
	Net Weight ($\pm 100g$): 8500g	Cycle Life: ≥ 1000
	Dimensions: 178(T) * 113(W) * 265(H) mm	

	15C 24S2P 88.8V 90000mAh	
	Max. Charging Current: 1C	Model: T12105212K
	Net Weight ($\pm 100g$): 26300g	Cycle Life: ≥ 500
	Dimensions: 302(T) * 220 (W) * 240(H) mm	

	15C 14S1P 51.8V 45000mAh	
	Max. Charging Current: 1C	Model: T12105212K
	Net Weight ($\pm 100g$): 8300g	Cycle Life: ≥ 800
	Dimensions: 180(T) * 113(W) * 265 (H) mm	

SMART BATTERY SERIES-SOFT PACK



High temperature storage				
100%		93.20%	97.30%	99.10%
80%				100.90%
60%	60°C 7d			
40%	80°C 4h			
20%		15.16.30%		
0%	1.34%	2.25%		
Inflation rate Internal resistance growth rate Capacity retention rate Capacity recovery rate				