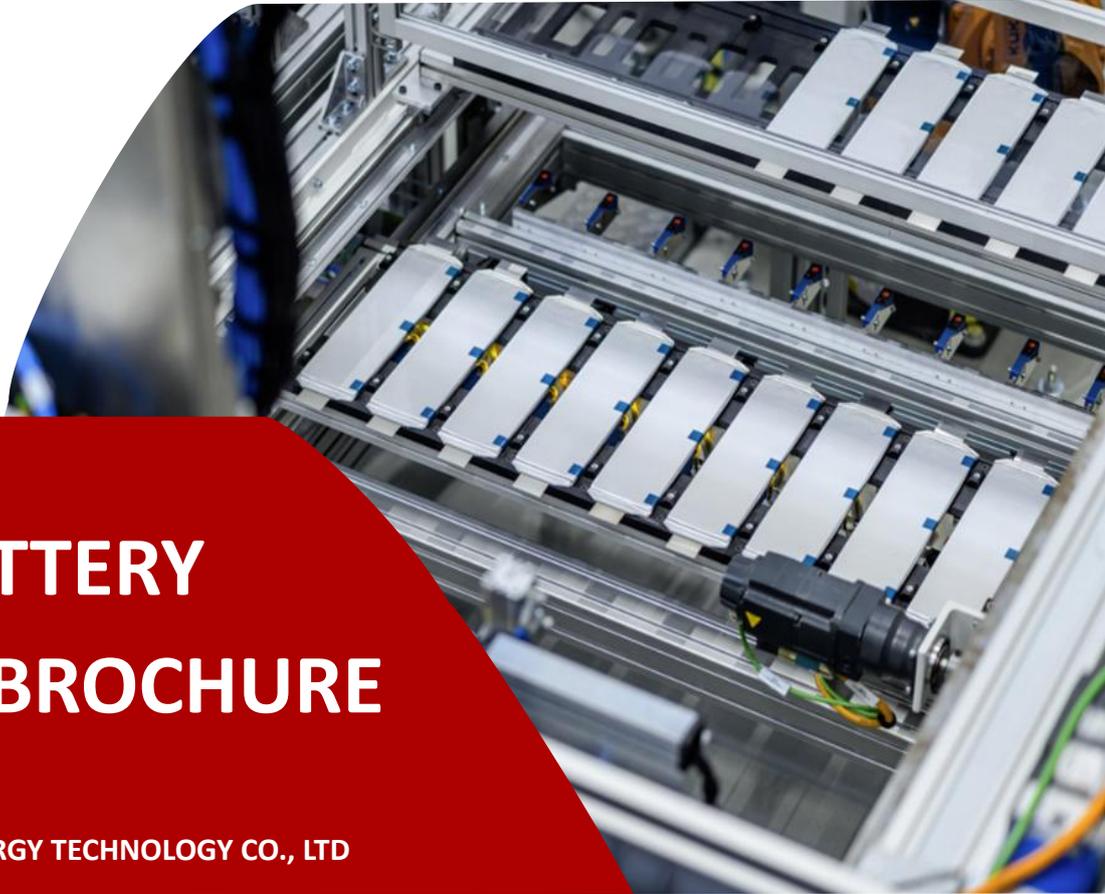


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DRONE BATTERY PRODUCT BROCHURE

ENOV (HUIZHOU) NEW ENERGY TECHNOLOGY CO., LTD

INNOVATION | EFFICIENT | WIN-WIN | SUSTAINABLE

COMPANY PROFILE

Enov (Huizhou) New Energy Technology Co., Ltd. is a high-tech enterprise specializing in lithium-battery new energy technology R&D, manufacturing, and services. The company is headquartered in Huizhou, a core city of the Guangdong–Hong Kong–Macao Greater Bay Area.

Our business covers lithium-ion battery manufacturing and sales, energy-storage product development and manufacturing, energy-storage systems, smart microgrids, wind-power technology development, and digital energy management. With a complete industry chain integrating R&D, production, services, and operation, Enov provides comprehensive new-energy solutions to global customers.

Guided by the core philosophy of “Innovation, Efficiency, Mutual Benefit, and Sustainability,” we are committed to delivering clean-energy solutions worldwide and contributing to the global carbon-neutrality goal.

Enovpower is the UAV division brand of Enov, dedicated to the R&D, manufacturing, and sales of stacked pouch-cell lithium-polymer batteries. Our products are widely used in FPV drones, RC models, UAVs, agricultural spraying drones, lifting drones, training drones, as well as automotive, medical, marine, industrial, AR/VR, and consumer electronics applications.



DEVELOPMENT HISTORY

- Future** Continuing to move forward and contributing to the UAV battery industry...
- 2025** Enovpower was established, marking a full brand upgrade and the beginning of globalized sales.
- 2024** Anhui Manufacturing Base began operation, featuring a 1 GWh advanced automated production line that significantly enhanced both performance and production capacity.
- 2023** Huizhou Huiyang PACK Manufacturing Base was commissioned, developing high-rate, high-capacity lithium batteries for agricultural spraying drones and logistics applications.
- 2021** Shifted focus to UAV battery R&D, with products applied in consumer-grade racing drones.
- 2018** Enov (Huizhou) High-Rate Battery Manufacturing Base was launched, focusing on high-discharge lithium battery technology and adopting China's most advanced high-rate battery production processes.

COMPANY QUALIFICATIONS



HIGH C-RATE LIPO BATTERY (HCR)—FPV

- High Discharge C -rate , Burst up to **160C+**
- Safety and Stability
- Wide temperature range work well from: **-20°C to 60°C**
- Support 2C fast charging: complete charging within 30 minutes
- Strong deep discharge, 1C discharge DOD reaches **100%**



Application scenario: Scale model cars, model aircraft, model ships, competitive models, drone aircraft.

SPECIFICATIONS

Model	Capacity (mAh)	Series	C rating	Energy	Weight (g±5%)	Dimension (mm±5%)
ENP6504S130-HCR	650	4S 14.8V	130C	9.62wh	84g	26*31*61
ENP6506S130-HCR	650	6S 22.2V	130C	14.43wh	126g	39*31*61
ENP8504S130-HCR	850	4S 14.8V	130C	12.58wh	110g	32*30*58
ENP8506S130-HCR	850	6S 22.2V	130C	18.87wh	165g	47*30*58
ENP11006S130-HCR	1100	6S 22.2V	130C	24.42wh	186.3g	34.4*40*80
ENP13004S130-HCR	1300	4S 14.8V	130C	19.24wh	134g	26.4*40*80
ENP13006S130-HCR	1300	6S 22.2V	130C	28.86wh	200g	38.6*40*80
ENP14004S130-HCR	1400	4S 14.8V	130C	20.72wh	158.4g	28.4*40*80
ENP14006S130-HCR	1400	6S 22.2V	130C	31.08wh	237.6g	41.6*40*80
ENP15504S130-HCR	1550	4S 14.8V	130C	22.94wh	179.1g	32*40*80
ENP15506S130-HCR	1550	6S 22.2V	130C	34.41wh	268.7g	47*40*80
ENP14804S160-HCR	1480	4S 14.8V	160C	21.9wh	168g	27*40*80
ENP14806S160-HCR	1480	6S 22.2V	160C	32.85wh	255g	40*40*80
ENP16004S160-HCR	1600	4S 14.8V	160C	23.68wh	174g	28.4*40*80
ENP16006S160-HCR	1600	6S 22.2V	160C	35.52wh	268g	43*40*80
ENP16804S160-HCR	1680	4S 14.8V	160C	24.86wh	185g	30.5*40*80
ENP16806S160-HCR	1680	6S 22.2V	160C	37.29wh	278g	44*40*80
ENP33004S110-HCR	3300	4S 14.8V	110C	48.84wh	327.2g	28.4*43*135
ENP33006S110-HCR	3300	6S 22.2V	110C	73.26wh	491g	41.6*43*135
ENP42004S110-HCR	4200	4S 14.8V	110C	62.16wh	392g	33.6*43*135
ENP42006S110-HCR	4200	6S 22.2V	110C	93.24wh	587.6g	49.4*43*135
ENP52004S110-HCR	5200	4S 14.8V	110C	76.96wh	476g	40*43*135
ENP52006S110-HCR	5200	6S 22.2V	110C	115.44wh	712.6g	59*43*135
ENP60006S110-HCR	6000	6S 22.2V	110C	133.2wh	858g	59*45*155
ENP70006S110-HCR	7000	6S 22.2V	110C	155.4wh	982g	68*45*155

—OEM or ODM is available

HIGH C-RATE LIPO BATTERY (HCR)—FPV

- High Discharge C -rate , Burst up to **75C+**
- Safety and Stability
- Wide temperature range work well from: **-20°C to 60°C**
- Support 2C fast charging: complete charging within 30 minutes
- Strong deep discharge, 1C discharge DOD reaches **100%**



Application scenario: Scale model cars, model aircraft, model ships, competitive models, drone aircraft.

SPECIFICATIONS

Model	Capacity (mAh)	Series	C rating	Energy	Weight (g±5%)	Dimension (mm±5%)
ENP13004S75-HCR	1300	4S 14.8V	75C	19.24wh	146g	18*35*72
ENP13006S75-HCR	1300	6S 22.2V	75C	28.86wh	219g	27*35*72
ENP15004S75-HCR	1500	4S 14.8V	75C	22.2wh	164g	32*35*72
ENP15006S75-HCR	1500	6S 22.2V	75C	33.3wh	246g	47*35*72
ENP18004S75-HCR	1800	4S 14.8V	75C	26.64wh	188g	24*34*106
ENP18006S75-HCR	1800	6S 22.2V	75C	39.96wh	282g	35*34*106
ENP22004S75-HCR	2200	4S 14.8V	75C	32.56wh	210g	26*34*106
ENP22006S75-HCR	2200	6S 22.2V	75C	48.84wh	315g	39*34*106
ENP27004S75-HCR	2700	4S 14.8V	75C	39.96wh	254.2g	34*34*106
ENP27006S75-HCR	2700	6S 22.2V	75C	59.94wh	416.7g	50*34*106
ENP33004S75-HCR	3300	4S 14.8V	75C	48.8wh	343.2g	26*43*135
ENP33006S75-HCR	3300	6S 22.2V	75C	73.2wh	461.6g	38*43*135
ENP42004S75-HCR	4200	4S 14.8V	75C	62.16	393g	31*43*138
ENP42006S75-HCR	4200	6S 22.2V	75C	93.24	589.5g	46.5*43*135
ENP52004S75-HCR	5200	4S 14.8V	75C	76.9wh	471.8g	36*43*135
ENP52006S75-HCR	5200	6S 22.2V	75C	115.4wh	663.6g	53*43*135
ENP62004S75-HCR	6200	4S 14.8V	75C	91.7wh	540g	36*48*155
ENP62006S75-HCR	6200	6S 22.2V	75C	137.6wh	794.8g	54*48*155
ENP72006S75-HCR	7200	6S 22.2V	75C	159.8wh	905.2g	59*45*155
ENP80006S75-HCR	8000	6S 22.2V	75C	177.6wh	1135g	50*60*168
ENP95006S75-HCR	9500	6S 22.2V	75C	210.9wh	1110g	62*49*165
ENP100006S75-HCR	10000	6S 22.2V	75C	222wh	1265g	55*60*168
ENP100008S75-HCR	10000	8S 29.6V	75C	296wh	1686.6g	72*60*168

—OEM or ODM is available

HIGH C-RATE LIPO BATTERY (HCR)

- High Discharge C-rate , Bust up to **25C**
- High Capacity, Long Endurance
- Wide temperature range work well from: **-20°C to 60°C**
- Strong deep discharge, 1C discharge DOD reaches **100%**
- Support **2C** fast charging: complete charging within 30 minutes



Application scenario: Scale models, model aircraft, model ships, robots, agricultural pest control, high-temperature special industries, CAAC vocational training, heavy-load logistics transportation.

SPECIFICATIONS

Model	Capacity (mAh)	Series	C rating	Energy	Weight (g±5%)	Dimension (mm±5%)
ENP120006S25-HCR	12000	6S 22.2V	25C	266.4wh	1608.6g	53*74*180
ENP120008S25-HCR	12000	8S 29.6V	25C	355.2wh	2145g	69*74*180
ENP1200012S25-HCR	12000	12S 44.4V	25C	532.8wh	3217.2g	104*74*180
ENP1200014S25-HCR	12000	14S 51.8V	25C	621.6wh	3753.4g	121*74*180
ENP160006S25-HCR	16000	6S 22.2V	25C	355.2wh	2076.6g	71*74*180
ENP160008S25-HCR	16000	8S 29.6V	25C	473.6wh	2768.8g	94*74*180
ENP1600012S25-HCR	16000	12S 44.4V	25C	710.4wh	4153.2g	140*74*180
ENP1600014S25-HCR	16000	14S 51.8V	25C	828.8wh	4845.4g	163*74*180
ENP220006S25-HCR	22000	6S 22.2V	25C	488.4wh	2560g	64*90*200
ENP220008S25-HCR	22000	8S 29.6V	25C	651.2wh	3413.3g	88.4*90*200
ENP2200012S25-HCR	22000	12S 44.4V	25C	976.8wh	5120g	131.6*90*200
ENP2200014S25-HCR	22000	14S 51.8V	25C	1139.6wh	5973.1g	153.2*90*200

—OEM or ODM is available

HIGH VOLTAGE LIPO BATTERY(HV)—FPV

- Higher Energy Density
- Strong Power Output
- Enhanced Safety & Durability
- Ideal for logistics, mapping, agriculture, and long-endurance missions
- Stable performance from **-20°C to 60°C**.



Application scenario: Battery life category, drone.

SPECIFICATIONS

Model	Capacity (mAh)	Series	C rating	Energy	Weight (g±5%)	Dimension (mm±5%)
ENP45002S75-HV	4500	2S 7.6V	75C	34.2wh	152.1g	13.2*43*136
ENP45003S75-HV	4500	3S 11.4V	75C	51.3wh	228.2g	18.8*43*136
ENP45004S75-HV	4500	4S 15.2V	75C	68.4wh	304.2g	24.4*43*136
ENP45006S75-HV	4500	6S 22.8V	75C	102.6wh	456.5g	35.6*43*136
ENP45008S75-HV	4500	8S 30.4V	75C	136.8wh	608.4g	46.8*43*136
ENP450012S75-HV	4500	12S 45.6V	75C	205.2wh	912.6g	69.2*43*136
ENP85002S45-HV	8500	2S 7.6V	45C	64.6wh	262.2g	23.6*43*136
ENP85003S45-HV	8500	3S 11.4V	45C	96.9wh	393.4g	34.4*43*136
ENP85004S45-HV	8500	4S 15.2V	45C	129.2wh	524.5g	45.2*43*136
ENP85006S45-HV	8500	6S 22.8V	45C	193.8wh	786.8g	66.8*43*136
ENP85008S45-HV	8500	8S 30.4V	45C	258.4wh	1049g	88.4*43*136
ENP850012S45-HV	8500	12S 45.6V	45C	387.6wh	1573.6g	131.6*43*136

—OEM or ODM is available

HIGH VOLTAGE LIPO BATTERY(HV)



- Higher Energy Density
- Strong Power Output
- Enhanced Safety & Durability
- Ideal for logistics, mapping, agriculture, and long-endurance missions
- Stable performance from **-20°C to 60°C**.

Application scenario: Scale models, model aircraft, model ships, robots, agricultural pest control, high-temperature special industries, CAAC vocational training, heavy-load logistics transportation.

SPECIFICATIONS

Model	Capacity (mAh)	Series	C rating	Energy	Weight (g±5%)	Dimension (mm±5%)
ENP160006S25-HV	16000	6S 22.8V	25C	364.8wh	1810g	60.8*74*180
ENP160008S25-HV	16000	8S 30.4V	25C	486.4wh	2413.3g	80.4*74*180
ENP220006S25-HV	22000	6S 22.8V	25C	501.6wh	2450g	60.8*90*200
ENP220008S25-HV	22000	8S 30.4V	25C	668.8wh	3266.6g	80.4*90*200
ENP2200012S25-HV	22000	12S 45.6V	25C	1003.2wh	4900g	119.6*90*200
ENP250006S25-HV	25000	6S 22.8V	25C	570wh	2526g	66.8*90*200
ENP250008S25-HV	25000	8S 30.4V	25C	760wh	3368g	72.6*90*200
ENP2500012S25-HV	25000	12S 45.6V	25C	1140wh	5059g	146*90*200
ENP320006S15-HV	32000	6S 22.8V	15C	729.6wh	3400g	61.8*120*220
ENP320008S15-HV	32000	8S 30.4V	15C	972.8wh	4532g	82*120*220
ENP3200012S15-HV	32000	12S 45.6V	15C	1459.2wh	6799g	124*120*220
ENP3200014S15-HV	32000	14S 53.2V	15C	1702.4wh	7715g	140*120*220
ENP400006S15-HV	40000	6S 22.8V	15C	912wh	3948g	62*120*260
ENP400008S15-HV	40000	8S 30.4V	15C	1216wh	5264g	82.6*120*260
ENP4000012S15-HV	40000	12S 45.6V	15C	1824wh	7896g	123.9*120*260
ENP4000014S15-HV	40000	14S 53.2V	15C	2128wh	9212g	144.6*120*260

—OEM or ODM is available

HIGH C-RATE SEMI-SOLID STATE BATTERY (HCS)

- Up to **280WH/KG**, lighter weight with more power, ensuring the equipment operates stably for a long time.
- High-nickel ternary **3.7V** and high-voltage lithium cobalt oxide **3.95V**, dual voltage options.



Application scenario: FPV, fixed-wing, large-scale heavy logistics transportation, firefighting, security, emergency response, industry mapping.

SPECIFICATIONS

Model	Capacity (mAh)	Series	Dimension (mm±5%)	Weight (g±5%)	C rating
280WH/KG 3.7V	16000	6S 22.2V	48.5*74*180	1440	2C/7C/10C
		12S 44.4V	95.5*74*180	2730	
		14S 51.8V	111.5*74*180	3160	
		18S 66.6V	142.5*74*180	4020	
	17000	6S 22.2V	51*74*180	1500	2C/7C/10C
		12S 44.4V	100.5*74*180	2850	
		14S 51.8V	116.5*74*180	3300	
		18S 66.6V	149.5*74*180	4200	
	22000	6S 22.2V	63.5*74*180	1915	2C/7C/10C
		12S 44.4V	125.5*74*180	3680	
		14S 51.8V	146.5*74*180	4260	
		18S 66.6V	187.5*74*180	5440	
	27000	6S 22.2V	60.5*89*200	2340	1C/5C/10C
		12S 44.4V	119.5*89*200	4530	
		14S 51.8V	139.5*89*200	5260	
		18S 66.6V	178.5*89*200	6720	
30000	6S 22.2V	66.5*89*200	2580	1C/5C/10C	
	12S 44.4V	131.5*89*200	5020		
	14S 51.8V	153*89*200	5830		
	18S 66.6V	196.5*89*200	7450		
280WH/KG 3.95V	25000	6S 23.7V	63.5*89*200	2380	2C/5C/10C
		12S 47.4V	124.5*89*200	4614	
		14S 55.3V	144.5*89*200	5355	
		18S 71.1V	185.5*89*200	6840	
	28000	6S 23.7V	70*89*200	2600	2C/5C/10C
		12S 47.4V	137.5*89*200	5070	
		14S 55.3V	160.5*89*200	5890	
		18S 71.1V	205.5*89*200	7530	

Note: Rate [Continuous Charging / Continuous Discharging / Instant Discharging]

—OEM or ODM is available

HIGH ENERGY DENSITY SEMI-SOLID STATE BATTERY (HES)

- Achieves a maximum energy density of **350WH/KG**.
- Precise material ratio design, balancing high energy density with rate performance.
- Process ensures stability, reducing performance fluctuations.



Application scenario: FPV, fixed-wing, large-scale heavy logistics transportation, firefighting, security, emergency response, industry mapping.

SPECIFICATIONS

Model	Capacity (mAh)	Series	Dimension (mm±5%)	Weight (g±5%)	C rating
320WH/KG 3.7V	20000	6S 22.2V	54.5*74*180	1620	1C/3C/5C
		12S 44.4V	107.5*74*180	3090	
		14S 51.8V	125*74*180	3580	
		18S 66.6V	160.5*74*180	4560	
	25000	6S 22.2V	66.5*74*180	1950	1C/3C/5C
		12S 44.4V	131.5*74*180	3750	
		14S 51.8V	153*74*180	4350	
		18S 66.6V	196.5*74*180	5550	
	32000	6S 22.2V	65.5*89*200	2430	1C/3C/5C
		12S 44.4V	129.5*89*200	4710	
		14S 51.8V	150.5*89*200	5470	
		18S 66.6V	192.5*89*200	6990	
	35000	6S 22.2V	68*89*200	2610	1C/3C/5C
		12S 44.4V	134*89*200	5070	
		14S 51.8V	156*89*200	5890	
		18S 66.6V	200*89*200	7530	
350WH/KG 3.7V	35000	6S 22.2V	60.5*89*200	2460	1C/5C/10C
		12S 44.4V	119.5*89*200	4770	
		14S 51.8V	139*89*200	5540	
		18S 66.6V	178.5*89*200	7080	
	40000	6S 22.2V	66.8*89*200	2730	1C/5C/10C
		12S 44.4V	131.5*89*200	5310	
		14S 51.8V	153*89*200	6170	
		18S 66.6V	196.5*89*200	7890	

Note: Rate [Continuous Charging / Continuous Discharging / Instant Discharging]

—OEM or ODM is available

FULLY CUSTOMIZABLE SPECIFICATIONS & CONNECTORS

CUSTOMIZABLE OPTIONS :

- Capacity: 300mAh – 60000mAh available
- Voltage: 1S / 2S / 3S / 4S / 6S / 8S / 10S / 12S / 14S / 16S
- Discharge Rate: 5C – 200C for high power demands
- Form Factor: Soft pack / hard case / reinforced metal housing
- Cable length and gauge customizable



BATTERY HIGHLIGHTS:

- Industrial-grade cells
- Optional low-temperature performance design
- Extended cycle-life solution available
- Custom labels, logos, OEM/ODM supported



AVAILABLE CONNECTOR OPTIONS :

- High-current connectors: XT90-S, XT90, AS150, MR60
- Popular RC connectors: XT60, XT30, EC3, EC5
- Other options: Deans T, JST-PH, A30
- Custom connectors available upon sample or drawing



All connectors can be configured per customer requirements to ensure perfect compatibility with the flight controller and ESC.



ENOV (HUIZHOU) NEW ENERGY TECHNOLOGY CO., LTD

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