



Extreme Light High-Power Li-polymer Cells for Competition

Apr, 2022

Battery Type	Series	Specification	Continu./Burst Discharge Rate	Cut off/ Charged voltage	IR(mΩ) Typical/ Max	Dimensions H x W x L (mm)	Weight (g)	Energy Density Wh/kg	Note
Lithium Polymer	VP	EP5360130VP 5200mAh 3.8V	12C/20C	3.0/4.30	2.1/2.5	5.3*60*130	86	230	The cell can achieve constant charging of 5C and peak charging of 10C for 3S for fields with low requirements of cycle life and KERS systems.
Lithium Polymer	VVP	EP9543126VVP 6800mAh 3.9v	15C/25C	3.0/4.45	2.1/2.5	9.5*43*126	105.00	253	
Lithium Polymer	VVP	EP7560129VVP 8000mAh 3.9V	12C/20C	3.0/4.45	1.6/2.0	7.5x59x129	123.00	254	
Lithium Polymer	VVP	EP6575175VVP 11000mAh 3.9V	10C/20C	3.0/4.45	1.2/1.8	6.5*73*175	168	255	
Lithium Polymer	VVP	EP7597197VVP 19000mAh 3.9V	10C/20C	3.0/4.45	0.88/1.2	7.6*97*197	295	251	
Lithium Polymer	VVP	EP8290189VVP 20000mAh 3.9V	12C/20C	3.0/4.45	0.88/1.2	8.2*89*189	305.00	255	
Lithium Polymer	VVP	EPA577191VVP 22000mAh 3.9V	8C/15C	3.0/4.45	0.82/1.2	10.5*97*197	325	264	
Lithium Polymer	VVP	EPA097197VVP 27000mAh 3.90V	15C/25C	3.0/4.45	0.68/1.0	10*97*197	421	250	
Lithium Polymer	VVP	EPB097197VVP 30000mAh 3.9V	5C/10C	3.0/4.45	0.65/1.0	10.7*97*197	450.00	260	
Lithium Polymer	SP	EP8245148SP 5800mAh 3.7V	25C/50C	3.0/4.2	1.3/1.8	8.2x45x148	120.40	178	
Lithium Polymer	SP	EP8845148SP 6300mAh 3.7V	35C /60C	3.0/4.2	1.2/1.8	8.7x45x148	126.00	185	
Lithium Polymer	SP	EP5865185SP 8200mAh 3.7V	15C/30C	3.0/4.2	1.1/1.8	5.8*65*185	161.00	188	
Lithium Polymer	SP	EP8066185SP 10000mAh 3.7V	25C/50C	3.0/4.2	0.86/1.5	8.0x64x188	214.00	173	
Lithium Polymer	SP	EPA070170SP 12000mAh 3.7V	25C/50C	3.0/4.2	0.9/1.5	9.9x69x168	240.00	185	
Lithium Polymer	SP	EPB074170SP 16000mAh 3.7V	15C/30C	3.0/4.2	0.63/1.2	11.2x74x170	310.00	191	
Lithium Polymer	SP	EPB096190SP 22000mAh 3.7V	15C/20C	3.0/4.2	0.55/0.9	10.7x96x189	426.00	191	
Lithium Polymer	SP	EPB098215SP 27000mAh 3.7V	15C/30C	3.0/4.2	0.48/0.8	10.8*97*213	498.00	200	
Lithium Polymer	HP	EPA04212SP 6300mAh 3.7V	15C/25C	3.0/4.2	1.45/2.0	10.0*42*126	123	189	

Lithium Polymer	HP	EPA142126HP 6350mAh 3.7V	15C/25C	3.0/4.2	1.42/2/0	10.1*42*126	125.00	188	The cell can achieve constant charging of 2C and peak charging of 5C for 3S for fields with low requirements of cycle life and KERS systems.
Lithium Polymer	HP	EPA242126HP 6600mAh 3.7V	15C/25C	3.0/4.2	1.4/2.0	10.2*42*126	131.00	186	
Lithium Polymer	HP	EPA342126HP 6700mAh 3.7V	15C/25C	3.0/4.2	1.4/2.0	10.3*42*126	133.00	186	
Lithium Polymer	HP	EPA442126HP 6800mAh 3.7V	15C/25C	3.0/4.2	1.35/1.8	10.4*42*126	135.00	186	
Lithium Polymer	HP	EPA542126HP 6900mAh 3.7V	15C/25C	3.0/4.2	1.35/1.8	10.5*42*126	136.00	187	
Lithium Polymer	HP	EPA642126HP 7000mAh 3.7V	15C/25C	3.0/4.2	1.3/1.8	10.6*42*126	138.00	187	
Lithium Polymer	HP	EPA842126HP 7300mAh 3.7V	15C/25C	3.0/4.2	1.25/1.7	10.8*42*126	144.00	187	
Lithium Polymer	HP	EP7064159HP 7500mAh 3.7V	15C/25C	3.0/4.2	1.20/1.5	7.0x63.5x158.5	148.00	187	
Lithium Polymer	HP	EP7564155HP 8000mAh 3.7V	15C/25C	3.0/4.2	1.30/1.5	7.5*64*155	158.00	187	
Lithium Polymer	HP	EP9564159HP 10000mAh 3.7V	15C/25C	3.0/4.2	0.86/1.2	9.5*63.5*158.8	194.00	194	
Lithium Polymer	HP	EP8570175HP 11000mAh 3.7V	15C/25C	3.0/4.2	0.88/1.2	8.5*70*175	211.00	193	
Lithium Polymer	HP	EP8575175HP 12000mAh 3.7V	15C/25C	3.0/4.2	0.81/1.5	8.5*75*175	230.00	193	
Lithium Polymer	HP	EP9575175HP 14000mAh 3.7V	15C/25C	3.0/4.2	0.76/1.4	9.5*75*175	270.00	192	
Lithium Polymer	HP	EPA075175HP 15000mAh 3.7V	15C/25C	3.0/4.2	0.74/1.4	10.0*75*175	288.00	192	
Lithium Polymer	HP	EPA575175HP 16000mAh 3.7V	15C/25C	3.0/4.2	0.72/1.4	10.5*75*175	305.00	194	
Lithium Polymer	HP	EPA875175HP 16800mAh 3.7V	15C/25C	3.0/4.2	0.69/1.4	10.8*75*175	313.00	198	
Lithium Polymer	HP	EP8595183HP 18000mAh 3.7V	15C/25C	3.0/4.2	0.63/1.2	8.5*95*183	342.00	195	
Lithium Polymer	HP	EPA090190HP 20000mAh 3.7V	15C/25C	3.0/4.2	0.60/1.0	10.0*90*190	380.00	195	
Lithium Polymer	HP	EPA090190HP 21000mAh 3.7V	15C/25C	3.0/4.2	0.56/1.0	10.0*90*190	402.00	193	
Lithium Polymer	HP	EPA590190HP 22000mAh 3.7V	15C/25C	3.0/4.2	0.56/1.0	10.5*90*190	420.00	194	

**The normal charging temperature is not more than 45°C,
in some special cases it can be charged at not more than 60°C , but it may cause swell**

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