



Lithium-ion Battery

LI-ION
TECHNOLOGY

- Productivity boost with opportunity charging
- Long lifecycle with no maintenance
- BMS system for safety precautions
- Customized batteries for your products

EP EQUIPMENT CO.,LTD
www.ep-ep.com



FEATURE

■ Productivity boost with opportunity charging

EP Lithium-ion battery is capable of 2C charging and 5C charging. It provides opportunity charging and can be charged up to 7% in 10 Minutes, which allows the battery to be charged during the shift break and boosts the productivity.



■ Long lifecycle with no maintenance

EP Li-Ion battery comes with a naturally long lifecycle and it is maintenance-free with an enclosed design.



■ BMS system for safety precautions

EP's BMS system constantly monitors the temperature of battery packs and calculates batteries' state of charge. Safety is not an issue.



■ Customized batteries for your products

EP provides battery customization as long as having the detail requests of your own products.



*Pictures shown are for reference only. Actual product may vary due to product enhancement.

Applications

EP Equipment offers in-house design, development and manufacturing of li-Ion batteries. These batteries can be applied to various industrial fields, carrying a revolutionary mission of replacing combustion engines and lead acid batteries.

Industrial vehicles



Material handling equipment



Sweeper



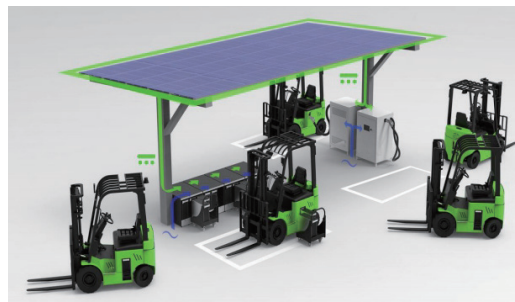
Airport tractors

Low speed vehicles



Golf cart

Energy storage system



Forklift battery handling system

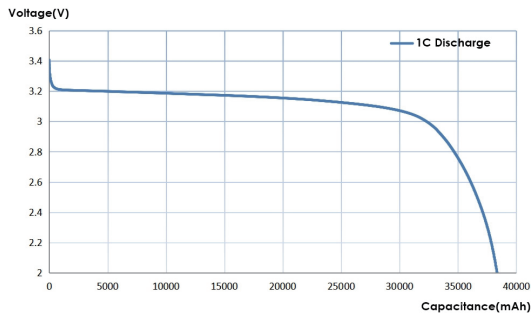


Solar energy storage system

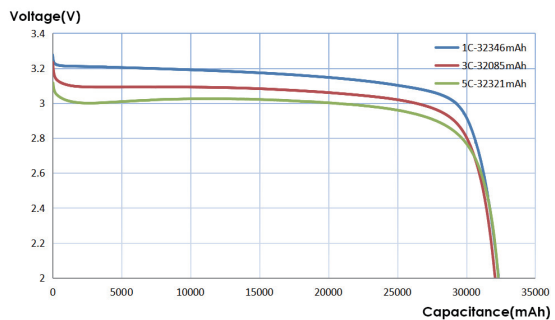
Parameters

No.	Voltage (V)	System				Box (Max size)			Charge and Discharge Parameters			
		Capacity (Ah)	Actual power (KWh)	Box	Cooling type	L (mm)	W (mm)	H (mm)	Charger	Stanard charge current (A)	Charger cut-off voltage (V)	Min discharge cut-off voltage (V)
1	20-29.2V	20	0.51	plastic	natural cooling	427	282	107	24V10A	10	29.2	20.8
		20	0.51	plastic	natural cooling	260	230	85	24V10A	10	29.2	20.8
		20	0.51	plastic	natural cooling	193	81	300	24V10A	10	29.2	20.8
		20	0.51	plastic	natural cooling	427	282	107	24V10A	10	29.2	20.8
		30	0.77	plastic	natural cooling	260	230	85	24V10A	10	29.2	20.8
		30	0.77	plastic	natural cooling	427	282	107	24V10A	10	29.2	20.8
		30	0.77	plastic	natural cooling	427	282	107	24V10A	10	29.2	20.8
		40	0.97	plastic	natural cooling	265	171	221	24V15A	15	29.2	20.8
		55	1.33	plastic+ aluminum	natural cooling	175	134	392	24V25A	25	29.2	20.8
		60	1.54	plastic	natural cooling	265	171	221	24V25A	25	29.2	20.8
		80	1.92	metal plate	natural cooling	276	190	365	24V25A	25	29.2	20.8
		120	3.07	metal plate	natural cooling	450	270	325	24V50A	50	29.2	20.8
		120	3.07	metal plate	natural cooling	566	192	500	24V50A	50	29.2	20.8
		160	4.1	metal plate	natural cooling	566	192	500	24V50A	50	29.2	20.8
230	6.14	metal plate	natural cooling	750	175	500	24V100A	100	29.2	20.8		
240	5.76	metal plate	natural cooling	712	258	243	24V100A	100	29.2	20.8		
300	7.68	metal plate	natural cooling	650	176	607	24V100A	100	29.2	20.8		
2	39-54.7V	20	0.96	plastic	natural cooling	427	282	107	48V10A	10	54.7	39
		30	1.44	plastic	natural cooling	427	282	107	48V10A	10	54.7	39
		30	1.44	plastic+ aluminum	natural cooling	246	162	370	48V10A	10	54.7	39
		50	2.4	metal plate	natural cooling	505	190	446	48V25A	25	54.7	39
		60	2.88	metal plate	natural cooling	650	260	230	48V25A	25	54.7	39
		100	4.8	metal plate	natural cooling	505	190	446	48V50A	50	54.7	39
		150	7.2	metal plate	natural cooling	740	214	220	48V50A	50	54.7	39
		160	7.68	metal plate	air cooling	962	226	660	48V50A	50	54.7	39
		240	11.52	metal plate	air cooling	962	226	660	48V100A	100	54.7	39
		300	14.4	metal plate	air cooling	1028	303	595	48V200A	200	54.7	39
		300	13.44	metal plate	natural cooling	814	285	575	48V200A	200	54.7	39
		360	17.28	metal plate	air cooling	1028	303	595	48V200A	200	54.7	39
		360	17.28	metal plate	natural cooling	930	620	575	48V150A	150	54.7	39
		360	17.28	metal plate	natural cooling	876	655	520	48V200A	200	54.7	39
		360	17.28	metal plate	natural cooling	1030	500	655	48V200A	200	54.7	39
		460	21.12	metal plate	air cooling	930	620	575	48V200A	200	54.7	39
460	21.12	metal plate	air cooling	1098	558	650	48V200A	200	54.7	39		
540	26.4	metal plate	natural cooling	1035	1025	525	48V200A	200	54.7	39		
3	62.4-87.8V	160	12.29	metal plate	natural cooling	1195	325	360	80V200A	80A	87.6	62.4
		270	23.04	metal plate	air cooling	959	574	798	80V200A	120A	87.6	62.4
		300	23.04	metal plate	air cooling	1108	500	725	80V200A	200A	87.6	62.4
		380	26.88	metal plate	air cooling	959	574	798	80V200A	200A	87.6	62.4
		380	27.65	metal plate	air cooling	1098	558	725	80V200A	200A	87.6	62.4
		380	27.65	metal plate	air cooling	1108	500	725	80V200A	200A	87.6	62.4
		460	36.86	metal plate	air cooling	1108	500	725	80V200A	200A	87.6	62.4
		540	40.86	metal plate	air cooling	959	574	798	80V200A	200A	87.6	62.4
		540	40.86	metal plate	air cooling	1108	500	725	80V200A	200A	87.6	62.4
		700	55.3	metal plate	air cooling	1152	624	725	80V200A	200A	87.6	62.4

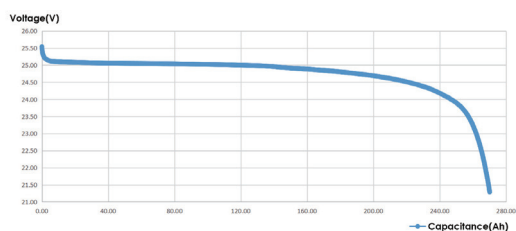
1C Discharge Curve of the Capacitance 38Ah at Room Temperature



Discharge Curves of the Capacitance 32Ah under Different Cycle Rates at Room Temperature



Discharge Curve of the System Capacity 24V/270Ah



* The above specifications are just for reference; all the parameters can be customized according to your special requests.