

Hipower LiFePO4 battery list

PW series CT series LX series

PW series can offer best power supply, like 3C continuous and 5-8C discharge current.

CT series are updated from PW series, optimized in size and weight, only large capacity battery can have this type.

LX series are updated from old capacity types, can offer 2C continuous and 4C burst discharge current.



General

Hipower began LiFePO4 battery production in 2004. Batteries are widely used in electric vehicles, energy storage, marine, industry, telecommunications, electric tools, etc. For LiFePO4 molecular structure is reliable and has a high degree of electrical conductance, Hipower LiFePO4 batteries offer high continuous / peak power even when nearing the end of the depth of discharge, batteries also can accept large charging current. Those features give electric vehicles well performance like in starting or accelerating or climbing.

Features

1. Long cycle life. No memory effect.
2. High C-Rate discharge / charge capability.
3. High peak power available under high DOD.
4. High energy density, small size, light weight.
5. Good performance at high & low temperatures.
6. Environmentally friendly.
7. Intrinsically safe.

Battery list

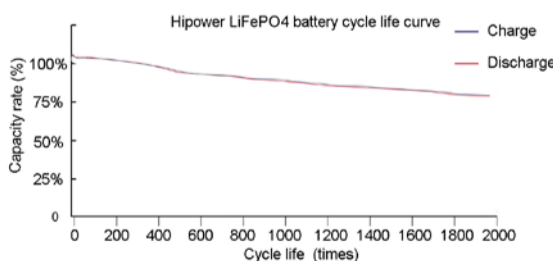
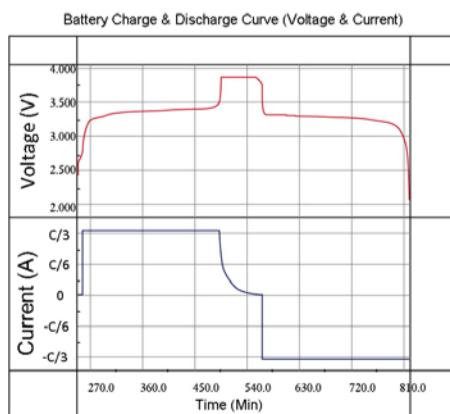
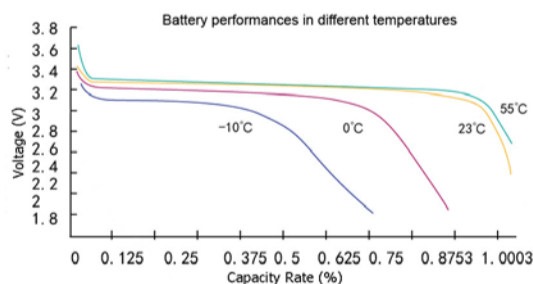
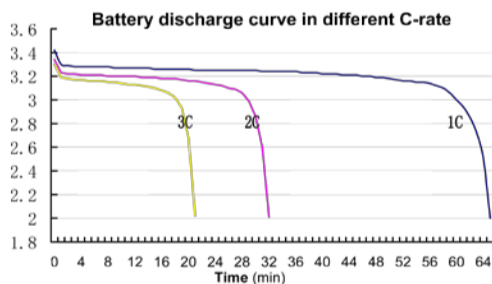
From 20AH to 60 AH

Specifications	HP-PW-20AH	HP-PW-30AH	HP-PW-40AH	HP-PW-50AH	HP-PW-60AH	
Voltage	3.2V	3.2V	3.2V	3.2V	3.2V	
Nominal capacity	20AH	30AH	40AH	50AH	60AH	
Dimension (L*W*H) (mm) (include Terminals)	103×41×168	103×58×168	113×66×168	152×50×190	114×61×203	
Weight	0.83 kg	1.15 kg	1.51 kg	1.89 kg	2.04 kg	
Energy density	90.2 Wh / l	95.7 Wh / l	102.2 Wh / l	110.8 Wh / l	133.7 Wh / l	
Specific energy	77.1 Wh / kg	83.5 Wh / kg	84.8 Wh / kg	84.6 Wh / kg	94.1 Wh / kg	
Specific power (23°C / 77 °F)	386 W / kg @15 sec	417 W / kg @15 sec	424 W / kg @15 sec	424 W / kg @15 sec	471 W / kg @15 sec	
Discharge @ 23°C	Max. Cont current	60 A	90 A	120 A	150 A	180 A
	Peak @ 60 sec.	100 A	150 A	200 A	250 A	300 A
	Cut-off voltage	2.50 V	2.50 V	2.50 V	2.50 V	2.50 V
Discharge @ 23°C	Charge methode	CC / CV (3.65V)	CC / CV (3.65V)	CC / CV (3.65V)	CC / CV (3.65V)	CC / CV (3.65V)
	Max. cont current	20A	30A	40A	50A	60A
	Cut-off voltage	3.85V	3.85V	3.85V	3.85V	3.85V

From 100AH to 200 AH

Specifications	HP-PW-100AH	HP-LX-100AH	HP-CT-160AH	HP-CT-180AH	HP-CT-200AH	
Voltage	3.2V	3.2V	3.2V	3.2V	3.2V	
Nominal capacity	100AH	100AH	160AH	180AH	200AH	
Dimension (L*W*H) (mm) (include Terminals)	163×51×278	169×57×220	169×85×247	183×72×286	255×70×247	
Weight	3.40 kg	3.17 kg	5.23 kg	5.77 kg	6.40 kg	
Energy density	138.4 Wh / l	151.0 Wh / l	144.3 Wh / l	152.9 Wh / l	145.2 Wh / l	
Specific energy	94.1 Wh / kg	100.9 Wh / kg	97.9 Wh / kg	99.8 Wh / kg	100 Wh / kg	
Specific power	471 W / kg @15 sec	404 W / kg @15 sec	489 W / kg @15 sec	499 W / kg @15 sec	500 W / kg @15 sec	
Discharge @ 23°C	Max. Cont current	300 A	300 A	480 A	540 A	600 A
	Peak @ 60 sec.	500 A	500 A	800 A	900 A	1000 A
	Cut-off voltage	2.50 V	2.50 V	2.50 V	2.50 V	2.50 V
Discharge @ 23°C	Charge methode	CC / CV (3.65V)	CC / CV (3.65V)	CC / CV (3.65V)	CC / CV (3.65V)	CC / CV (3.65V)
	Max. cont current	100A	100A	160A	180A	200A
	Cut-off voltage	3.85V	3.85V	3.85V	3.85V	3.85V

Related Curves



Contact Info

Tel: +86-731-8513-1841
Web: www.hipowergroup.com
Email: info@hipowergroup.com

Factory Address:

HiPower Industrial Park, North of PuDong Rd, Hi-Tech Industrial District, Zaozhuang city, Shandong Province, CHINA