

LITHIUM REPLACE LEAD ACID SERIES

Description

Howell lithium replace lead acid series LiFePO4 batteries are high performance and efficiency, they are perfect replacements for lead acid, AGM and gel batteries. They can be widely used in various applications which include camper, RV, golf carts, yachts, marine backup power, electric skateboard, wind-solar complementary, 12V photovoltaic, industrial and mining lights and base station energy storage.

Features

- 1.The modules support series and parallel connection and its discharge curve is flat.
- 2.Light weight. Only 1/3 of the lead-acid batteries with same specifications.
- 3.Small size, can save more installation space.
- 4.High safety, stability performance, long cycle life, low temperature, and high charge/discharge.
- 5.Custom housing and color.

Series models

12.8V 5Ah/7Ah/12Ah/20Ah/30Ah/50Ah/60Ah/100Ah/200Ah/300Ah/400Ah
 25.6V 100Ah/200Ah







Lithium replace lead acid series HWE-4F5/HWE-4F7

 High safety
  Fast charging
  High temperature resistant
  Long cycle life



Model	HWE-4F5	HWE-4F7
Nominal Voltage	12.8V	12.8V
Nominal Capacity	5.0Ah	7.0Ah
Energy	64.0Wh	89.6Wh
Charge Voltage	14.6V	14.6V
Charge Current	1.0A	1.4A
Max.Charge Current	≤5.0A	≤6.0A
Cut-off Discharge Voltage	10.0V	10.0V
Discharge Current	2.0A	7.0A
Max.Discharge Current	≤5.0A	≤15.0A
Terminal Type	F2	F2
Weight	0.8kg	0.9kg
Dimension(L*W*H/TH)	90*70*101/107mm	151*65*94/100mm
Case Material	ABS+PC	ABS+PC
Waterproof Level	IP65	IP65





Lithium replace lead acid series HWE-4F12/HWE-4F20

 High safety
  Fast charging
  High temperature resistant
  Long cycle life



Model	HWE-4F12	HWE-4F20
Nominal Voltage	12.8V	12.8V
Nominal Capacity	12.0Ah	20.0Ah
Energy	153.6Wh	256.0Wh
Charge Voltage	14.6V	14.6V
Charge Current	2.4A	4.0A
Max.Charge Current	≤12.0A	≤20.0A
Cut-off Discharge Voltage	10.0V	10.0V
Discharge Current	6.0A	10.0A
Max.Discharge Current	≤12.0A	≤20.0A
Terminal Type	F2	M6
Weight	1.5kg	3.0kg
Dimension(L*W*H/TH)	151*98*98/104mm	181*77*167mm
Case Material	ABS+PC	ABS+PC
Waterproof Level	IP65	IP65





Lithium replace lead acid series HWE-4F30/HWE-4F50

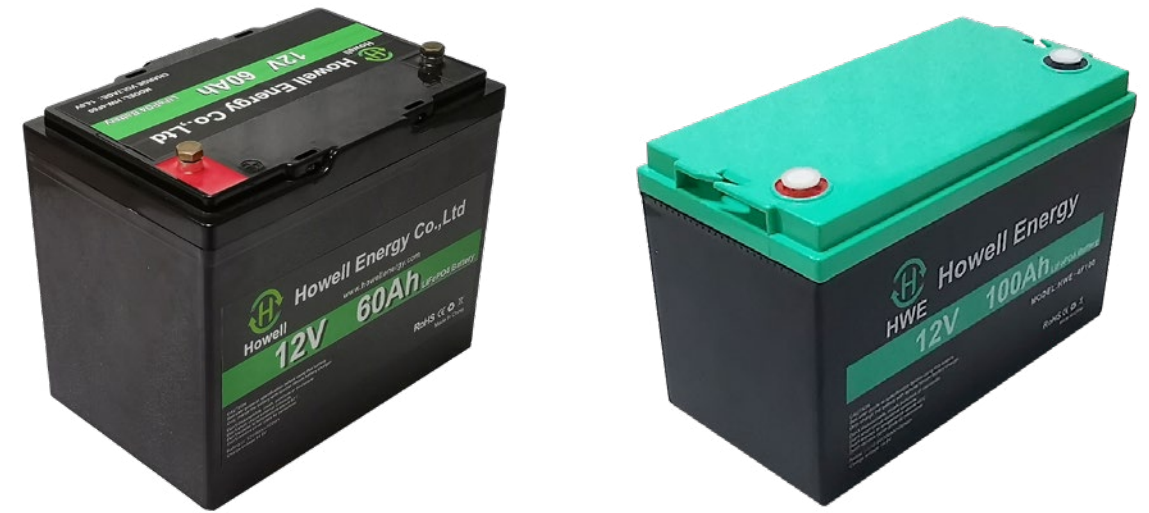
 High safety
  Fast charging
  High temperature resistant
  Long cycle life



Model	HWE-4F30	HWE-4F50
Nominal Voltage	12.8V	12.8V
Nominal Capacity	30.0Ah	50.0h
Energy	384.0Wh	640.0Wh
Charge Voltage	14.6V	14.6V
Charge Current	6.0A	10.0A
Max.Charge Current	≤30.0A	≤50.0A
Cut-off Discharge Voltage	10.0V	10.0V
Discharge Current	15.0A	25.0A
Max.Discharge Current	≤30.0A	≤50.0A
Terminal Type	M6	M6
Weight	3.8kg	6.5kg
Dimension(L*W*H/TH)	195*130*156/167mm	197*165*175mm
Case Material	ABS+PC	ABS+PC
Waterproof Level	IP65	IP65

Lithium replace lead acid series HWE-4F60/HWE-4F100

 High safety
  Fast charging
  High temperature resistant
  Long cycle life



Model	HWE-4F60	HWE-4F100
Nominal Voltage	12.8V	12.8V
Nominal Capacity	60.0Ah	100.0Ah
Energy	768.0Wh	1280.0Wh
Charge Voltage	14.6V	14.6V
Charge Current	12.0A	20.0A
Max.Charge Current	≤60.0A	≤100.0A
Cut-off Discharge Voltage	10.0V	10.0V
Discharge Current	30.0A	50.0A
Max.Discharge Current	≤60.0A	≤100.0A
Terminal Type	M8	M8
Weight	7.2kg	12.0kg
Dimension(L*W*H/TH)	290*169*213/218mm	330*172*215/220mm
Case Material	ABS+PC	ABS+PC
Waterproof Level	IP65	IP65



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Lithium replace lead acid series HWE-4F100BT/HWE-4F200

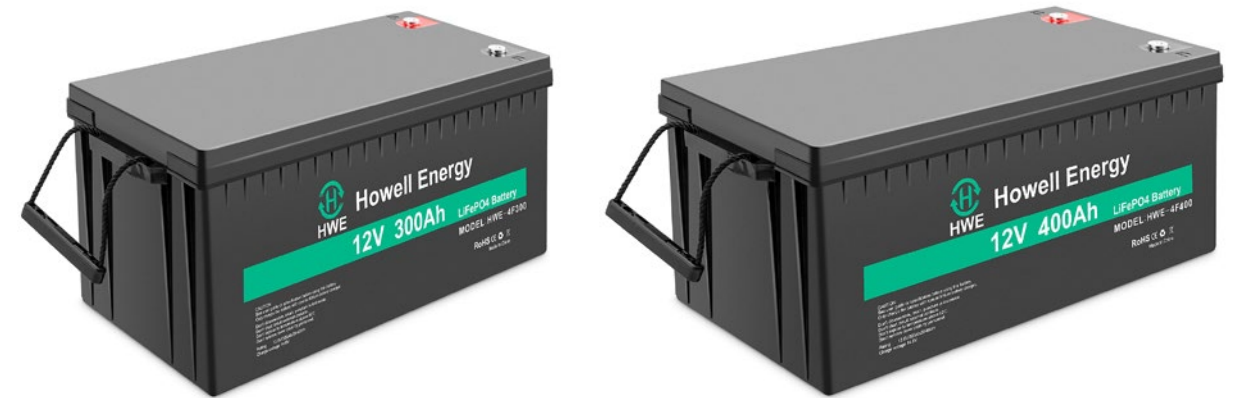
 High safety
  Fast charging
  High temperature resistant
  Long cycle life



Model	HWE-4F100BT	HWE-4F200
Nominal Voltage	12.8V	12.8V
Communication	bluetooth	/
Nominal Capacity	100.0Ah	200.0Ah
Energy	1280.0Wh	2560.0Wh
Charge Voltage	14.6V	14.6V
Charge Current	20.0A	40.0A
Max.Charge Current	≤ 100.0A	≤ 100.0A
Cut-off Discharge Voltage	10.0V	10.0V
Discharge Current	50.0A	50.0A
Max.Discharge Current	≤ 100.0A	≤ 100.0A
Terminal Type	M8	M8
Weight	12.0kg	22.0kg
Dimension(L*W*H/TH)	330*172*215/220mm	522*238*220mm
Case Material	ABS+PC	ABS+PC
Waterproof Level	IP65	IP65

Lithium replace lead acid series HWE-4F300/HWE-4F400

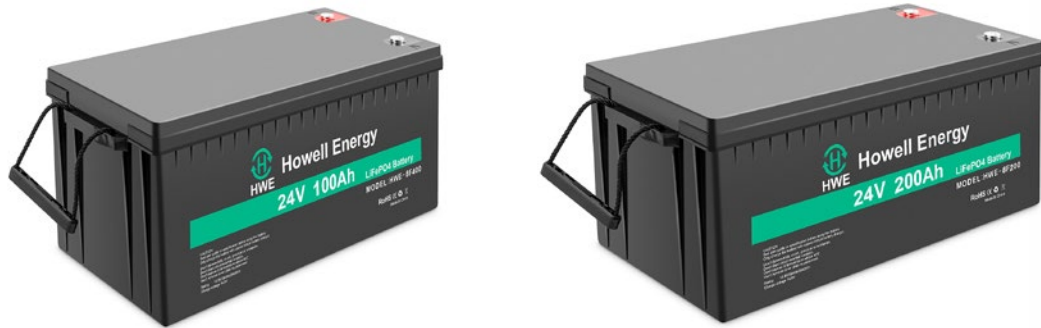
 High safety
  Fast charging
  High temperature resistant
  Long cycle life



Model	HWE-4F300	HWE-4F400
Nominal Voltage	12.8V	12.8V
Nominal Capacity	300.0Ah	400.0Ah
Energy	3840.0Wh	5120.0Wh
Charge Voltage	14.6V	14.6V
Charge Current	50.0A	50.0A
Max.Charge Current	≤ 100.0A	≤ 100.0A
Cut-off Discharge Voltage	10.0V	10.0V
Discharge Current	50.0A	50.0A
Max.Discharge Current	≤ 100.0A	≤ 100.0A
Terminal Type	M8	M8
Weight	28.0kg	40.0kg
Dimension(L*W*H)	522*238*220mm	522*269*220mm
Case Material	ABS+PC	ABS+PC
Waterproof Level	IP65	IP65

Lithium replace lead acid series HWE-8F100/HWE-8F200

- High safety
- Fast charging
- High temperature resistant
- Long cycle life



Model	HWE-8F100	HWE-8F200
Nominal Voltage	25.6V	25.6V
Nominal Capacity	100.0Ah	200.0Ah
Energy	1280.0Wh	2560.0Wh
Charge Voltage	29.2V	29.2V
Charge Current	20.0A	40.0A
Max.Charge Current	≤ 100.0A	≤ 100.0A
Cut-off Discharge Voltage	20.0V	20.0V
Discharge Current	50.0A	50.0A
Max.Discharge Current	≤ 100.0A	≤ 100.0A
Terminal Type	M8	M8
Weight	24.0kg	40.0kg
Dimension(W*D*H)	522*238*220mm	522*269*220mm
Case Material	ABS+PC	ABS+PC
Waterproof Level	IP65	IP65



IP65 Level Water Proof
(made with quality ABS+PC)



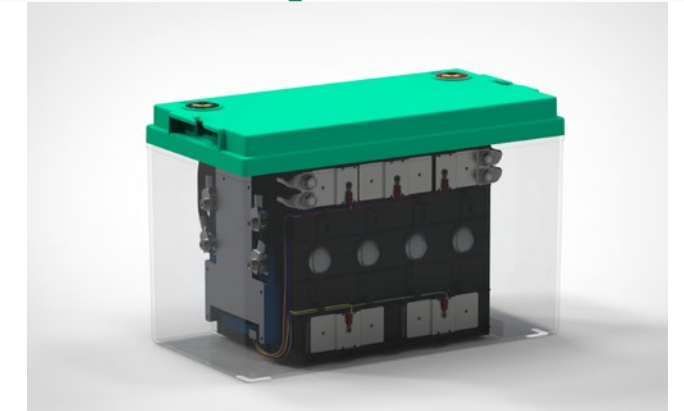
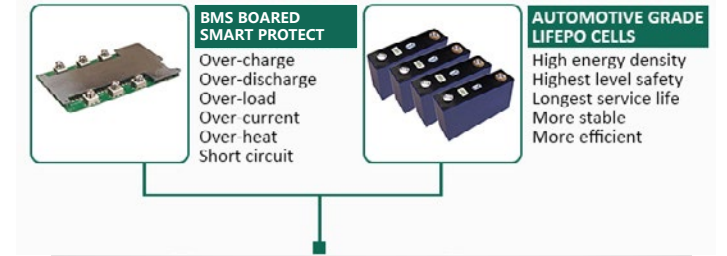
4000-8000 Times
(10Yrs Service life)



Compatible Mode
Compatible with various inverters



4S4P Series Parallel
Support max 4pcs in parallel or max 4pcs in series



SUPPORT: Up to 4 identical batteries for **SERIES** connection ---->> **48V 100Ah**
Up to 4 identical batteries for **PARALLEL** connection ---->> **12V 400Ah**

