

## Specifications for Polinovel's Lithium Battery (LiFePO4)

Application - RV, Motorhome, Marine, Golf Cart, Electric Vehicle, Solar Storage System etc.

### 12V 24V Lithium Batteries Packaged in Plastic Case

Model No.	Voltage (V)	Capacity (Ah)	Energy (Wh)	Standard Charge Current (A)	Max. Continuous Discharge (A)	Peak Discharge (A)	Dimensions (mm)			Weight (kg)
							Length	Width	Height	
<b>HD SERIES (32650 Cylindrical Cell With Strong &amp; Durable Structure)</b>										
HD1240	12.8	40	512	8	40	80 (<5S)	197	165	170	6.2
HD1250	12.8	50	640	10	50	100 (<5S)	197	165	170	7.5
HD1280	12.8	80	1024	20	100	200 (<5S)	279	175	188	11
HD1290	12.8	90	1152	20	100	200 (<5S)	353	175	190	12
HD12100	12.8	100	1280	20	100	200 (<5S)	329	172	214	14.3
	12.8	100	1280	20	160	320 (<5S)	329	172	214	14.5
HD12120	12.8	120	1536	30	100	200 (<5S)	329	172	214	15
	12.8	120	1536	30	160	320 (<5S)	329	172	214	17
HD12150	12.8	150	1920	30	100	200 (<5S)	485	170	220	20
	12.8	150	1920	30	160	320 (<5S)	485	170	220	20.6
HD12180	12.8	180	2304	40	100	200 (<5S)	485	170	220	23
	12.8	180	2304	40	160	320 (<5S)	485	170	220	23.7
HD12200	12.8	200	2560	40	100	200 (<5S)	520	240	220	27
	12.8	200	2560	40	160	320 (<5S)	520	240	220	27.8
HD12240	12.8	240	3072	50	100	200 (<5S)	520	269	220	32.5
	12.8	240	3072	50	160	320 (<5S)	520	269	220	33
HD12300	12.8	300	3840	60	100	200 (<5S)	520	269	220	35
	12.8	300	3840	60	160	320 (<5S)	520	269	220	36
<b>HDN SERIES (SOC Display &amp;/ USB Charger)</b>										
HDN1250	12.8	50	640	25	50	100 (<5S)	197	165	170	6.5
HDN12100	12.8	100	1280	50	100	200 (<5S)	329	172	214	15
HDN12180	12.8	180	2304	50	100	200 (<5S)	485	170	220	22
HDN12200	12.8	200	2560	100	100	200 (<5S)	520	240	220	26
HDN12300	12.8	300	3840	100	100	200 (<5S)	520	269	220	40
HDN2450	25.6	50	1280	25	50	100 (<5S)	329	172	214	15
HDN24100	25.6	100	2560	50	100	200 (<5S)	520	240	220	26
HDN24150	25.6	150	3840	50	100	200 (<5S)	520	269	220	40

## Specifications for Polinovel's Lithium Battery (LiFePO4)

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### 12V 24V Lithium Batteries Pacakaged in Plastic Case

Model No.	Voltage (V)	Capacity (Ah)	Energy (Wh)	Standard Charge Current (A)	Max. Continuous Discharge (A)	Peak Discharge (A)	Dimensions (mm)			Weight (kg)
							Length	Width	Height	
<b>HT SERIES (Bluetooth Monitoring Lithium Battery)</b>										
HT12100	12.8	100	1280	20	100	200 (<5S)	329	172	214	14.3
	12.8	100	1280	20	160	320 (<5S)	329	172	214	14.5
HT12180	12.8	180	2304	40	100	200 (<5S)	485	170	220	15
	12.8	180	2304	40	160	320 (<5S)	485	170	220	16
HT12200	12.8	200	2560	40	100	200 (<5S)	520	240	220	27
	12.8	200	2560	40	160	320 (<5S)	520	240	220	27.8
HT12240	12.8	240	3072	50	100	200 (<5S)	520	269	220	32.5
	25.6	240	6144	50	160	320 (<5S)	520	269	220	33
HT12300	25.6	300	7680	60	100	200 (<5S)	520	269	220	35
	25.6	300	7680	60	160	320 (<5S)	520	269	220	36
<b>NOVEL SERIES (Bluetooth Monitoring Function)</b>										
NOVEL1220	12.8	20	256	10	30	50 (<30mS)	181	77	165	2.9
NOVEL1250	12.8	50	640	25	50	175A(<1s), 240A(<30ms)	197	165	170	6.8
NOVEL12100	12.8	100	1280	60	100 (30mins)	400A(<1s), 500A(<30ms)	318	165	215	12.5
NOVEL12125	12.8	125	1600	60	100 (30mins)	350 (<3S)	318	165	215	15
NOVEL12200	12.8	200	2560	80	200 (30mins)	400 (<5S)	485	170	245	25.5
NOVEL12300	12.8	300	3840	80	200 (30mins)	450 (<5S)	520	269	220	37.7
<b>Arctic SERIES (Ultra Low Temperature Lithium Battery)</b>										
Arctic 12100	12.8	100	1280	20	100	200 (<5S)	329	172	214	14.3
	12.8	100	1280	20	160	320 (<5S)	329	172	214	14.5
Arctic 12200	12.8	200	2560	40	100	200 (<5S)	520	240	220	27
	12.8	200	2560	40	160	320 (<5S)	520	240	220	27.8
Arctic 12300	12.8	300	3840	60	100	200 (<5S)	520	269	220	35
	12.8	300	3840	60	160	320 (<5S)	520	269	220	36

For more detail specification, welcome visit our website or send us email.

## Specifications for Polinovel's Lithium Battery (LiFePO4)

Application - RV, Motorhome, Marine, Golf Cart, Electric Vehicle, Solar Storage System etc.

### 12V Lithium Batteries Packaged in Plastic Case

Model No.	Voltage (V)	Capacity (Ah)	Energy (Wh)	Standard Charge Current (A)	Max. Continuous Discharge (A)	Peak Discharge (A)	Dimensions (mm)		
							Length	Width	Height
<b>HD SERIES (32650 Cylindrical Cell With Strong &amp; Durable Structure)</b>									
HD1240	12.8	40	512	8	40	80 (<5S)	197	165	170
HD1250	12.8	50	640	10	50	100 (<5S)	197	165	170
HD1280	12.8	80	1024	20	100	200 (<5S)	279	175	188
HD1290	12.8	90	1152	20	160	320 (<5S)	353	175	190
HD12100	12.8	100	1280	20	100	200 (<5S)	329	172	214
HD12100B	12.8	100	1280	20	160	320 (<5S)	329	172	214
HD12120	12.8	120	1536	30	100	200 (<5S)	340	175	280
HD12120B	12.8	120	1536	30	160	320 (<5S)	340	175	280
HD12150	12.8	150	1920	30	100	200 (<5S)	485	170	220
HD12150B	12.8	150	1920	30	160	320 (<5S)	485	170	220
HD12180	12.8	180	2304	40	100	200 (<5S)	485	170	220
HD12180B	12.8	180	2304	40	160	320 (<5S)	485	170	220
HD12200	12.8	200	2560	40	100	200 (<5S)	520	240	220
HD12200B	12.8	200	2560	40	160	320 (<5S)	520	240	220
HD12240	12.8	240	3072	50	100	200 (<5S)	520	269	220
HD12240B	12.8	240	3072	50	160	320 (<5S)	520	269	220
HD12300	12.8	300	3840	60	100	200 (<5S)	520	269	220
HD12300B	12.8	300	3840	60	160	320 (<5S)	520	269	220
<b>HT SERIES (Bluetooth Monitoring Lithium Battery)</b>									
HT12100	12.8	50	640	25	50	100 (<5S)	197	165	170
HT12100B	12.8	60	768	25	55	100 (<5S)	197	165	170
HT12180	12.8	100	1280	50	100	200 (<5S)	329	172	214
HT12180B	12.8	120	1536	50	100	200 (<5S)	340	175	280
HT12200	12.8	180	2304	50	100	200 (<5S)	485	170	220
HT12200B	12.8	200	2560	100	100	200 (<5S)	520	240	220
HT12240	12.8	300	3840	100	100	200 (<5S)	520	269	220
HT12240B	25.6	50	1280	25	50	100 (<5S)	329	172	214
HT12300	25.6	60	1536	25	55	100 (<5S)	340	175	280
HT12300B	25.6	100	2560	50	100	200 (<5S)	520	240	220



# LITHIUM BATTERY SPECIFICATION GUIDE

## Specifications for Polinovel's Lithium Battery (LiFePO4)

Application - RV, Motorhome, Marine, Golf Cart, Electric Vehicle, Solar Storage System etc.

### 12V Lithium Batteries Packaged in Plastic Case

Model No.	Voltage (V)	Capacity (Ah)	Energy (Wh)	Standard Charge Current (A)	Max. Continuous Discharge (A)	Peak Discharge (A)	Dimensions (mm)		
							Length	Width	Height
<b>NOVEL SERIES (Bluetooth Monitoring Function)</b>									
NOVEL1220	12.8	20	256	10	30	50 (<30mS)	181	77	165
NOVEL1250	12.8	50	640	25	50	175A(<1s), 240A(<30ms)	197	165	170
NOVEL12100	12.8	100	1280	60	100 (30mins)	400A(<1s), 500A(<30ms)	318	165	215
NOVEL12125	12.8	125	1600	60	100 (30mins)	350 (<3S)	318	165	215
NOVEL12200	12.8	200	2560	80	200 (30mins)	400 (<5S)	485	170	245
NOVEL12300	12.8	300	3840	80	200 (30mins)	450 (<5S)	520	269	220
<b>HDN SERIES (SOC Display &amp;/ USB Charger)</b>									
HDN1250	12.8	50	640	25	50	100 (<5S)	197	165	170
HDN1260	12.8	60	768	25	55	100 (<5S)	197	165	170
HDN12100	12.8	100	1280	50	100	200 (<5S)	329	172	214
HDN12120	12.8	120	1536	50	100	200 (<5S)	340	175	280
HDN12180	12.8	180	2304	50	100	200 (<5S)	485	170	220
HDN12200	12.8	200	2560	100	100	200 (<5S)	520	240	220
HDN12300	12.8	300	3840	100	100	200 (<5S)	520	269	220
HDN2450	25.6	50	1280	25	50	100 (<5S)	329	172	214
HDN2460	25.6	60	1536	25	55	100 (<5S)	340	175	280
HDN24100	25.6	100	2560	50	100	200 (<5S)	520	240	220
HDN24120	25.6	120	3072	50	100	200 (<5S)	520	269	220
HDN24150	25.6	150	3840	50	100	200 (<5S)	520	269	220



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Weight  
(kg)

6.2

7.5

11

12

14.3

14.5

15

17

20

20.6

23

23.7

27

27.8

32.5

33

35

36

6.5

7.5

15

16

22

26

40

15

16

26

# GUIDE

## Weight (kg)

2.9

6.8

12.5

15

25.5

37.7

6.5

7.5

15

16

22

26

40

15

16

26

36

40



9

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## Specifications for Polinovel's Lithium Battery (LiFePO4)

Application - RV, Motorhome, Marine, Golf Cart, Electric Vehicle, Solar Storage System etc.

### 12V LiFePO4 Lithium Batteries

#### 12V-HD SERIES (32650 Cylindrical Cell with Strong & Durable Structure)

Model No.	Voltage (V)	Capacity (Ah)	Energy (Wh)	Standard Charge Current (A)	Max. Continuous Discharge (A)	Peak Discharge (A)	Dimensions (mm)		
							Length	Width	Height
HD1220	12.8	20	256	4	20	40 (<5S)	181	77	170
HD1240	12.8	40	512	8	40	80 (<5S)	198	165	170
HD1250	12.8	50	640	10	50	100 (<5S)	198	165	170
HD1280	12.8	80	1024	20	100	200 (<5S)	279	175	188
HD1280B	12.8	80	1024	20	<b>160</b>	250 (<5S)	353	175	190
HD12100	12.8	100	1280	20	100	200 (<5S)	329	172	214
HD12100B	12.8	100	1280	20	<b>160</b>	250 (<5S)	329	172	214
HD12120	12.8	120	1536	30	100	250 (<5S)	329	172	214
HD12120B	12.8	120	1536	30	<b>160</b>	250 (<5S)	329	172	214
HD12150	12.8	150	1920	30	100	300 (<5S)	485	170	220
HD12150B	12.8	150	1920	30	<b>160</b>	300 (<5S)	485	170	220
HD12180	12.8	180	2304	40	100	300 (<5S)	485	170	220
HD12180B	12.8	180	2304	40	<b>160</b>	300 (<5S)	485	170	220
HD12200	12.8	200	2560	40	100	300 (<5S)	525	270	220
HD12200B	12.8	200	2560	40	<b>160</b>	300 (<5S)	525	270	220
HD12240	12.8	240	3072	50	100	300 (<5S)	525	270	220
HD12240B	12.8	240	3072	50	<b>160</b>	300 (<5S)	525	270	220
HD12300	12.8	300	3840	60	100	300 (<5S)	525	270	220
HD12300B	12.8	300	3840	60	<b>160</b>	300 (<5S)	525	270	220

### Battery Case Reference



For more detail specification, welcome visit our website or send us email.



# GUIDE

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Weight (kg)
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3.2
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6.2
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7.5
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11
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12
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14.3
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14.9
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16.5
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17
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20
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20.6
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23
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23.7
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27
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27.8
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32.5
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33
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35
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36
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