

The batteries of the OlenBox range have no rivals, they are the most innovative and efficient on the market.

6 sizes



XS

S

M

L

LMax

XL

100Wh

312Wh

835Wh

1.25kWh

1.65kWh

3.33kWh

OLENBOX PROFESSIONAL RANGE - 5 YEAR WARRANTY



SERIES	VOLTAGE			ENERGY (Wh)	MAX DISCHARGE			Bluetooth	Wi-Fi	BOOST	-30/+65°C	DIMENSIONS (W*D*H cm)	WEIGHT (kg)	PRODUCT CODE
	12V	24V	48V		C/5	I 3C	I 6C							
XS	✓	✗	✗	100	✗	✗	x	✗	✗	✗	✗	15.1*6.5*9.6	0.9	OB-XS
S	✓	✗	✗	312	✗	✗	x	✗	✗	✗	✗	18.1*7.7*16.9	2.7	OB-S
M	✓	✓	✗	835	✗	✗	x	✗	✗	✗	✗	19.5*13.4*17.2	6.5	OB-M
L	✓	✓	✓	1,250	✗	✗	x	✓	✓	✓	✓	25.9*15.1*17.7	9.9	OB-L
LMax	✓	✓	✓	1,650	✗	✗	x	✓	✓	✓	✓	26*16.9*21.2	13	OB-LMax
XL	✓	✓	✓	3,333	✗	✗	x	✓	✓	✓	✓	48.5*17*24	<28	OB-XL

SPECIFIC RANGE* - 2 YEAR WARRANTY

SERIES	VOLTAGE			ENERGY (Wh)	MAX DISCHARGE			Bluetooth	Wi-Fi	BOOST	-30/+65°C	DIMENSIONS (W*D*H cm)	WEIGHT (kg)	PRODUCT CODE
	12V	24V	48V		C/5	I 3C	I 6C							
XS-UPS	✓	✗	✗	100	✗	✗	x	✗	✗	✗	✗	15.1*6.5*9.6	0.9	OB-XS_UPS
LMax-LP	✓	✓	✓	1,650	✗	x	x	✗	✗	✗	✗	26*16.9*21.2	12	OB-LMax_LP
LMax-HP	✗	✓	✓	1,650	✗	✗	✗	✓	✓	✓	✓	26*16.9*21.2	13	OB-LMax_HP
XL-LP	✓	✓	✓	3,333	✗	x	x	✗	✗	✗	✗	48.5*17*24	27	OB-XL_LP

*minimum order of 10 batteries



ULTRA
COMPACT



LIGHT
WEIGHT



DESIGNED
TO ENDURE



NO
MAINTENANCE



USABLE IN
ALL DIRECTIONS



UNLIMITED
ASSEMBLY

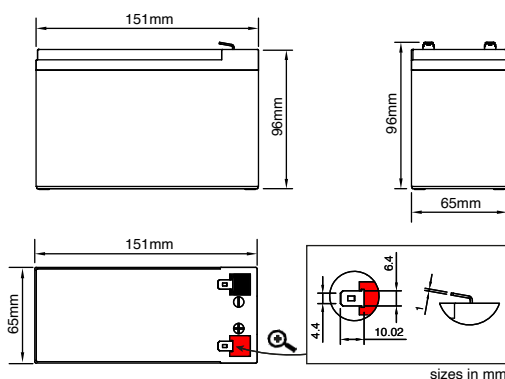
WARRANTY
5
YEARS

TECHNICAL SHEET

THE POWERFUL BATTERY
MADE TO LAST



DIMENSIONS



SPECIFICATIONS

Electrical		Mechanical	
Rated voltage	12 V	Casing material	ABS
Rated capacity	8 Ah	Dimensions (W*D*H)	151*65*96 mm
Energy	100 Wh	Weight	0.95 kg
Internal resistance	< 100 mΩ	Terminals	Faston635 - T1
Monthly self discharge	< 3 %	Ingress protection code	IP67
Charge		Discharge	
Charge efficiency	> 98 % @0.2C	Discharge efficiency	> 96% @0.5C
Charge voltage	14.5 ± 0.1 V	Continuous current	8 A
Charge mode	CC/CV	Maximum current 10 sec.	24 A
Rated charge current	5.0 A	Discharge cut-off voltage	10.0 V
Charge cut-off current	0.05C	Configurable thresholds	No
Lead-acid chargers	Compatible	Exceeding values	No
Temperature		Quality	
Charge temperature	0°C +50°C	Certifications	CE, RoHS, UN38.3
Discharge temperature	-20°C +65°C	Warranty	5 years
Storage temperature	+15°C +35°C	Manufacturing country	France

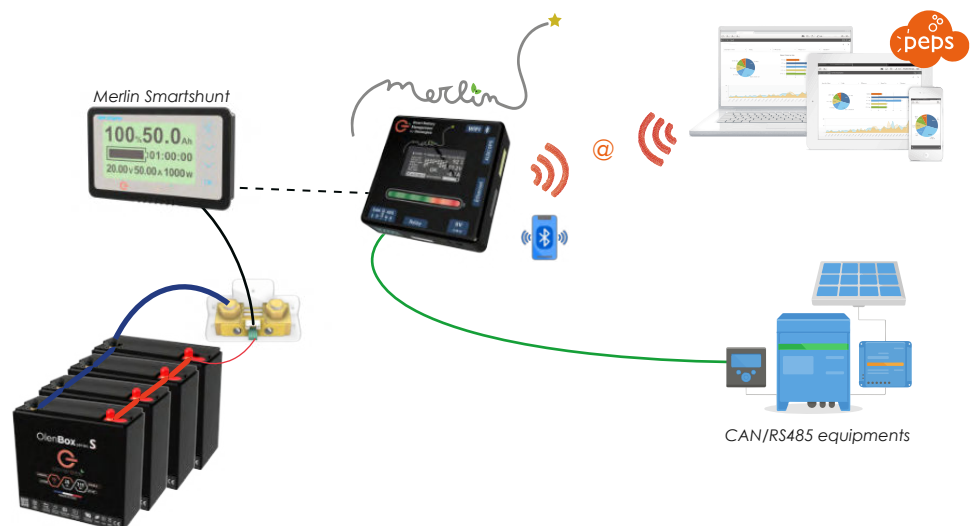
MADE IN FRANCE INNOVATION

- ✓ High Performance Lithium LFP Technology
- ✓ Reliable energy source
- ✓ 60% lighter than a lead acid battery
- ✓ Designed to last 20 years
- ✓ Fast charge
- ✓ Built-in safety mechanisms
- ✓ From 4,000 to 12,000 cycles (refer to curves)
- ✓ Compatible with MERLIN Smartshunt!

APPLICATIONS

- Lighting & Instrumentation**
Test & Measurement, Camera, Lighting, Energy case, Weather station, Pumping...
- Marine, mobility and robotics**
Boats, Recreational vehicles, Robots, Construction, Forklifts...
- Critical power supply**
UPS, Datacenter, Medical infrastructures...
- Solar storage**
Self-consumption, Renewable energies, Vehicle to grid, Grid services...

Cluster your batteries, add a screen and join the MERLIN IoT ecosystem!



Accessories sold separately



BMS
INSIDE



Lead acid
Plug-&-Play



Charge: 5A
0°C | +50°C



Discharge: 8A
-20°C | +65°C



Rated values
12V | 8Ah



Cells conform to
UL STD 1642



RoHS



Li-ion



CE



ULTRA
COMPACT



LIGHT
WEIGHT



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TO ENDURE



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MAINTENANCE



USABLE IN
ALL DIRECTIONS



UNLIMITED
ASSEMBLY

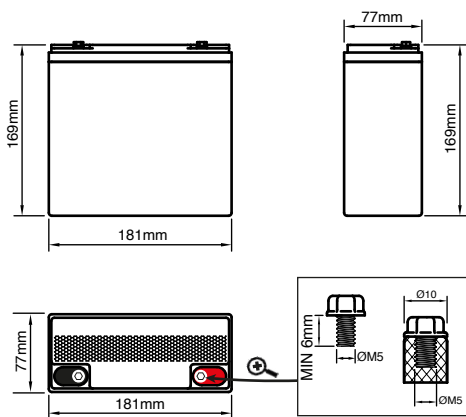
WARRANTY
5
YEARS

TECHNICAL SHEET

THE POWERFUL BATTERY
MADE TO LAST



DIMENSIONS



SPECIFICATIONS

Electrical		Mechanical	
Rated voltage	13.0 V	Casing material	ABS
Rated capacity	24.0 Ah	Dimensions (W*D*H)	181*77*169 mm
Energy	312 Wh	Weight	2.70 kg
Internal resistance	< 35.0 mΩ	Terminals	M5
Monthly self discharge	< 3 %	Ingress protection code	IP65
Charge		Discharge	
Charge efficiency	> 98 % @0.2C	Discharge efficiency	> 96% @0.5C
Charge voltage	14.5 ± 0.1 V	Continuous current	25 A
Charge mode	CC/CV	Maximum current 10 sec.	75 A
Rated charge current	15.0 A	Discharge cut-off voltage	10.0 V
Charge cut-off current	0.05C	Configurable thresholds	No
Lead-acid chargers	Compatible	Exceeding values	No
Temperature		Quality	
Charge temperature	0°C +50°C	Certifications	CE, RoHS, UN38.3
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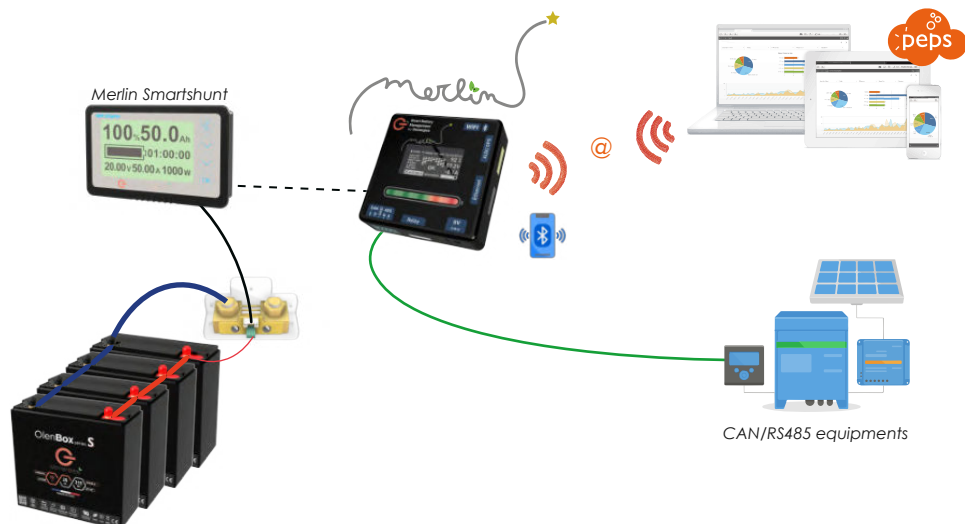
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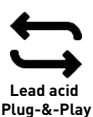
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THE POWERFUL BATTERY
MADE TO LAST

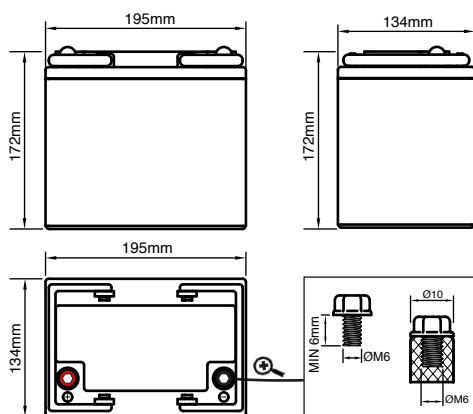
POWERFUL **12 V** DURABLE
LITHIUM **65 Ah** **835 Wh** LFP-HP



MADE IN FRANCE



DIMENSIONS



SPECIFICATIONS

Electrical		Mechanical	
Rated voltage	13.0 V	Casing material	ABS
Rated capacity	64.0 Ah	Dimensions (W*D*H)	195*134*172 mm
Energy	832 Wh	Weight	6.50 kg
Internal resistance	< 14 mΩ	Terminals	M6
Monthly self discharge	< 3 %	Ingress protection code	IP65
Charge		Discharge	
Charge efficiency	> 98 % @0,2C	Discharge efficiency	> 96% @0.5C
Charge voltage	14.5 ± 0.1 V	Continuous current	65 A
Charge mode	CC/CV	Maximum current 10 sec.	195 A
Rated charge current	35.0 A	Discharge cut-off voltage	10,0 V
Charge cut-off current	0.05C	Configurable thresholds	No
Lead-acid chargers	Compatible	Exceeding values	No
Temperature		Quality	
Charge temperature	0°C +50°C	Certifications	CE, RoHS, UN38.3
Discharge temperature	-20°C +65°C	Warranty	5 years
Storage temperature	+15°C +35°C	Manufacturing country	France

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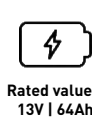
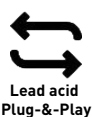
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Test & Measurement, Camera, Lighting, Energy case, Weather station, Pumping...
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ULTRA
COMPACT



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WEIGHT



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MAINTENANCE



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UNLIMITED
ASSEMBLY

WARRANTY
5
YEARS

TECHNICAL SHEET

THE POWERFUL BATTERY
MADE TO LAST

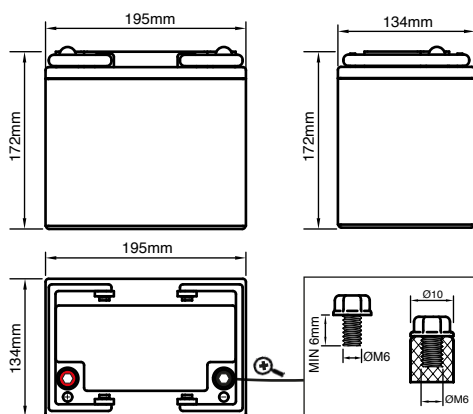
POWERFUL **24 V** DURABLE
LITHIUM **35 Ah** **835 Wh** LFP-HP



MADE IN FRANCE



DIMENSIONS



SPECIFICATIONS

Electrical		Mechanical	
Rated voltage	26.0 V	Casing material	ABS
Rated capacity	32.0 Ah	Dimensions (W*D*H)	195*134*172 mm
Energy	832 Wh	Weight	6.50 kg
Internal resistance	< 53.0 mΩ	Terminals	M6
Monthly self discharge	< 3 %	Ingress protection code	IP65
Charge		Discharge	
Charge efficiency	> 98 % @0.2C	Discharge efficiency	> 96% @0.5C
Charge voltage	29.0 ± 0.1 V	Continuous current	35 A
Charge mode	CC/CV	Maximum current 10 sec.	105 A
Rated charge current	20.0 A	Discharge cut-off voltage	20.0 V
Charge cut-off current	0.05C	Configurable thresholds	No
Lead-acid chargers	Compatible	Exceeding values	No
Temperature		Quality	
Charge temperature	0°C +50°C	Certifications	CE, RoHS, UN38.3
Discharge temperature	-20°C +65°C	Warranty	5 years
Storage temperature	+15°C +35°C	Manufacturing country	France

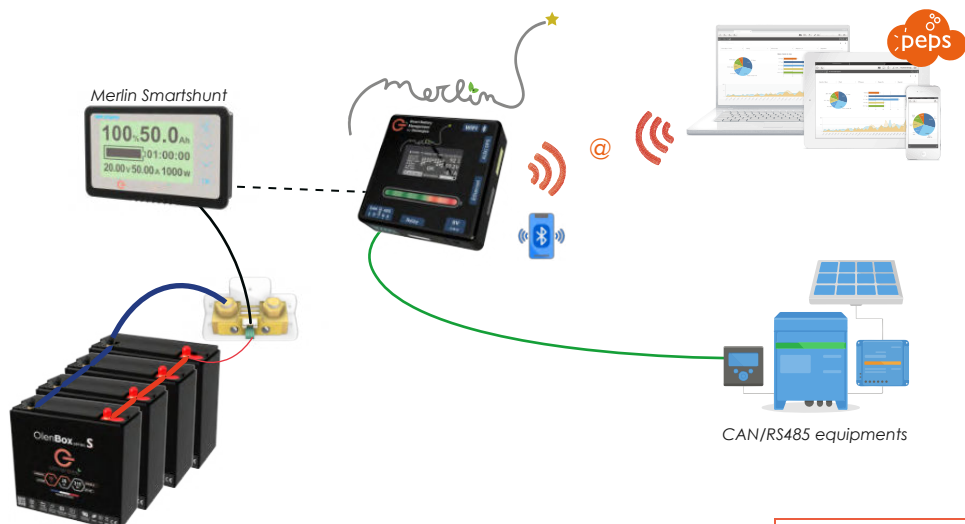
MADE IN FRANCE INNOVATION

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- ✓ 60% lighter than a lead acid battery
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- ✓ Fast charge
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- ✓ Compatible with MERLIN Smartshunt!

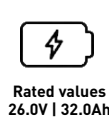
APPLICATIONS

- Lighting & Instrumentation**
Test & Measurement, Camera, Lighting, Energy case, Weather station, Pumping...
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Boats, Recreational vehicles, Robots, Construction, Forklifts...
- Critical power supply**
UPS, Datacenter, Medical infrastructures...
- Solar storage**
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ULTRA
COMPACT



LIGHT
WEIGHT



DESIGNED
TO ENDURE



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MAINTENANCE



USABLE IN
ALL DIRECTIONS



UNLIMITED
ASSEMBLY

WARRANTY
5
YEARS

#1 WORLD RECORD
WORLD'S DENSEST
SMART LFP BATTERY

POWERFUL

12
V

100
Ah

1.25
kWh

DURABLE

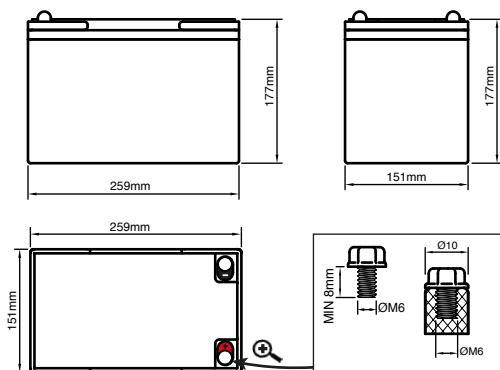
LITHIUM

LFP-HP

MADE IN FRANCE



DIMENSIONS



MADE IN FRANCE INNOVATION

- ✓ High Performance Lithium LFP Technology
- ✓ Designed to last 20 years
- ✓ From 4,000 to 12,000 cycles (refer to curves)
- ✓ Smart-IoT Battery
- ✓ Fast charge
- ✓ Built-in safety mechanisms
- ✓ Designed for both hot and cold climates
- ✓ 60% lighter than a lead acid battery
- ✓ Compatible with MERLIN smartbox!

APPLICATIONS

- Lighting & Instrumentation**
Lighting, Camera, Energy case, Weather, Pumping...
- Martitime, mobility and robotics**
Boats, Recreational vehicles, Robots, Trolleys...
- Critical power supply**
UPS, Datacenter, Measurement, Medical...
- Solar storage**
Self-consumption, renewable energies...

QUALITY

- ✓ Certifications: CE, RoHS, UN38.3 (cells)
- ✓ Manufacturer warranty: 5 years
- ✓ Manufacturing country: France

THE MOST INNOVATIVE BATTERY ON THE MARKET

Battery connected



Remote monitoring



Active balancing!



Extreme temperature resistant



Control and monitor your battery using your smartphone!

Use the application to configure, monitor, update and diagnose your battery.
Real-time vision, complete control.

Your battery accessible 24/7 from every part of the world

Supervise, manage and optimize your OlenBox remotely and detect potential problems by setting alerts and alarms.
You are always in control from anywhere in the world.

Boosted performance and lifetime

BOOST is a unique active and passive balancing technology. This guarantees a permanent and optimal internal balancing. Energy is transferred to the cells that need it.

Automatic preheating in very cold temperatures

During the charge **AND** during the discharge!
Don't worry about the outside temperature, the battery takes care of everything automatically!

Working temperature -30°C | +65°C

Storage +15°C | +35°C

SPECIFICATIONS

Electrical

Rated voltage	13.0 V
Rated capacity	96.0 Ah
Energy	1.25 kWh
Internal resistance	< 9.0 mΩ
Monthly self discharge	< 3 %

Charge

Charge efficiency	> 98 % @0.2C
Charge voltage	14.5 ± 0.1 V
Charge mode	CC/CV
Rated charge current	50.0 A
Charge cut-off current	0.05C
Lead-acid chargers	Compatible

Mechanical

Casing material	ABS
Dimensions (W*D*H)	259*151*177 mm
Weight	9.95 kg
Terminals	M6
Ingress protection code	IP65

Discharge

Discharge efficiency	> 96% @0.5C
Direct discharge current	100 A
Maximum current 10 sec.	300 A
Minimum voltage	10.0 V
Configurable thresholds	Yes
Exceeding power	On quotation

Cluster your batteries wirelessly, add a display, pilot relays or add a GPS with MERLIN smartbox!



CAN/RS485 equipments

MERLIN is sold separately



SMART BMS
INSIDE



Lead acid
Plug-&-Play



Charge: 50A
-30°C | +50°C



Discharge: 100A
-30°C | +65°C



Rated values
13V | 96Ah



Cells conform to
UL STD 1642



RoHS



Li-ion





OlenBox series



olenergies

TECHNICAL SHEET



ULTRA
COMPACT



LIGHT
WEIGHT



DESIGNED
TO ENDURE



NO
MAINTENANCE



USABLE IN
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UNLIMITED
ASSEMBLY

WARRANTY
5 YEARS

#1 WORLD RECORD
WORLD'S DENSEST
SMART LFP BATTERY

POWERFUL

24
V

50
Ah

1.25
kWh

DURABLE

LITHIUM

LFP-HP

MADE IN FRANCE



Bluetooth

Wi-Fi

BOOST

-30/+65°C

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During the charge **AND** during the discharge!
Don't worry about the outside temperature, the battery takes care of everything automatically!

Working temperature -30°C | +65°C Storage +15°C | +35°C

SPECIFICATIONS

Electrical

Rated voltage	26.0 V
Rated capacity	48.0 Ah
Energy	1.25 kWh
Internal resistance	< 35.0 mΩ
Monthly self discharge	< 3 %

Mechanical

Casing material	ABS
Dimensions (W*D*H)	259*151*177 mm
Weight	9.95 kg
Terminals	M6
Ingress protection code	IP65

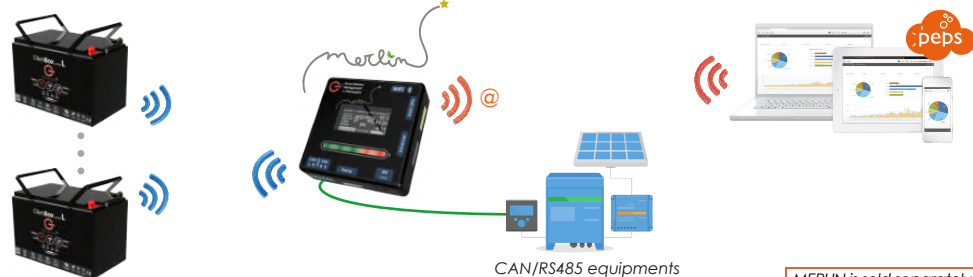
Charge

Charge efficiency	> 98 % @0.2C
Charge voltage	29.0 ± 0.1 V
Charge mode	CC/CV
Rated charge current	25.0 A
Charge cut-off current	0.05C
Lead-acid chargers	Compatible

Discharge

Discharge efficiency	> 96% @0.5C
Direct discharge current	50 A
Maximum current 10 sec.	150 A
Minimum voltage	20.0 V
Configurable thresholds	Yes
Exceeding power	On quotation

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- ✓ From 4,000 to 12,000 cycles (refer to curves)
- ✓ Smart-IoT Battery
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APPLICATIONS



Lighting & Instrumentation
Lighting, Camera, Energy case, Weather, Pumping...



Martitime, mobility and robotics
Boats, Recreational vehicles, Robots, Trolleys...



Critical power supply
UPS, Datacenter, Measurement, Medical...



Solar storage
Self-consumption, renewable energies...

QUALITY

- ✓ Certifications: CE, RoHS, UN38.3 (cells)
- ✓ Manufacturer warranty: 5 years
- ✓ Manufacturing country: France



SMART BMS
INSIDE



Lead acid
Plug-&-Play



Charge: 25A
-30°C | +50°C



Discharge: 50A
-30°C | +65°C



Rated values
26V | 48Ah



Cells conform to
UL STD 1642



RoHS



Li-ion



CE



olenergies

TECHNICAL SHEET

OlenBox series

L



ULTRA
COMPACT



LIGHT
WEIGHT



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WARRANTY
5
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WORLD'S DENSEST
SMART LFP BATTERY

POWERFUL

48
V

25
Ah

1.25
kWh

DURABLE

LITHIUM

LFP-HP

MADE IN FRANCE



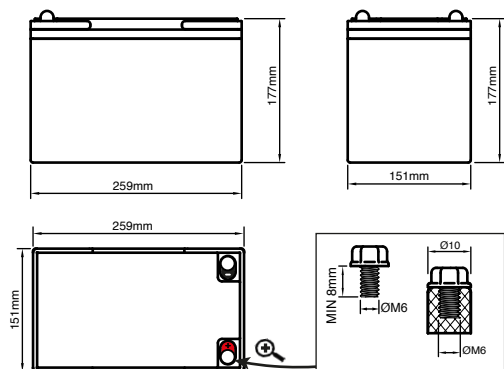
Bluetooth

Wi-Fi

BOOST

-30/+65°C

DIMENSIONS



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Automatic preheating in very cold temperatures

During the charge **AND** during the discharge!
Don't worry about the outside temperature, the battery takes care of everything automatically!

Working temperature -30°C | +65°C

Storage +15°C | +35°C

SPECIFICATIONS

Electrical

Rated voltage	52.0 V
Rated capacity	24.0 Ah
Energy	1.25 kWh
Internal resistance	< 140 mΩ
Monthly self discharge	< 3 %

Charge

Charge efficiency	> 98 % @0.2C
Charge voltage	58.0 ± 0.1 V
Charge mode	CC/CV
Rated charge current	15.0 A
Charge cut-off current	0.05C
Lead-acid chargers	Compatible

Mechanical

Casing material	ABS
Dimensions (W*D*H)	259*151*177 mm
Weight	9.95 kg
Terminals	M6
Ingress protection code	IP65

Discharge

Discharge efficiency	> 96% @0.5C
Direct discharge current	25 A
Maximum current 10 sec.	75 A
Minimum voltage	40.0 V
Configurable thresholds	Yes
Exceeding power	On quotation

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CAN/RS485 equipments

MERLIN is sold separately



SMART BMS
INSIDE



Lead acid
Plug-&-Play



Charge: 15A
-30°C | +50°C



Discharge: 25A
-30°C | +65°C



Rated values
52V | 24Ah



Cells conform to
UL STD 1642



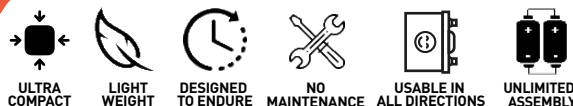
RoHS



Li-ion

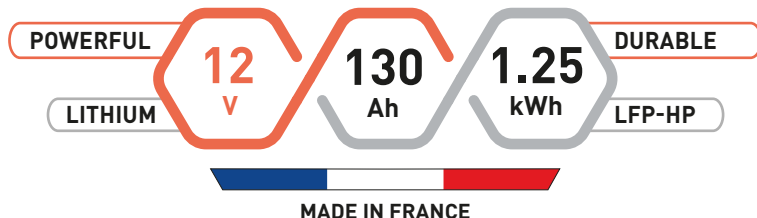


CE

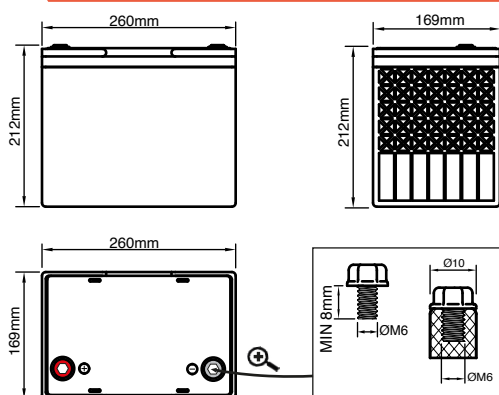


WARRANTY
5
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TECHNICAL SHEET



DIMENSIONS



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APPLICATIONS

- Lighting & Instrumentation**
Lighting, Camera, Energy case, Weather, Pumping...
- Martitime, mobility and robotics**
Boats, Recreational vehicles, Robots, Trolleys...
- Critical power supply**
UPS, Datacenter, Measurement, Medical...
- Solar storage**
Self-consumption, renewable energies...

QUALITY

- ✓ Certifications: CE, RoHS, UN38.3 (cells)
- ✓ Manufacturer warranty: 5 years
- ✓ Manufacturing country: France

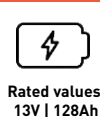
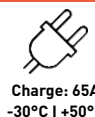
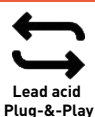
THE MOST INNOVATIVE BATTERY ON THE MARKET

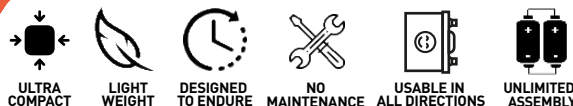
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Remote monitoring 	Your battery accessible 24/7 from every part of the world Supervise, manage and optimize your OlenBox remotely and detect potential problems by setting alerts and alarms. You are always in control from anywhere in the world.
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Extreme temperature resistant 	Automatic preheating in very cold temperatures During the charge AND during the discharge! Don't worry about the outside temperature, the battery takes care of everything automatically! Working temperature -30°C +65°C Storage +15°C +35°C

SPECIFICATIONS

Electrical		Mechanical	
Rated voltage	13.0 V	Casing material	ABS
Rated capacity	128.0 Ah	Dimensions (W*D*H)	260*169*212 mm
Energy	1.66 kWh	Weight	13.00 kg
Internal resistance	< 7.0 mΩ	Terminals	M6
Monthly self discharge	< 3 %	Ingress protection code	IP65
Charge		Discharge	
Charge efficiency	> 98 % @0.2C	Discharge efficiency	> 96% @0.5C
Charge voltage	14.5 ± 0.1 V	Direct discharge current	130 A
Charge mode	CC/CV	Maximum current 10 sec.	390 A
Rated charge current	65.0 A	Minimum voltage	10.0 V
Charge cut-off current	0.05C	Configurable thresholds	Yes
Lead-acid chargers	Compatible	Exceeding power	On quotation

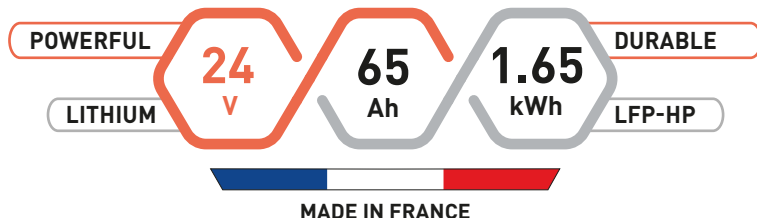
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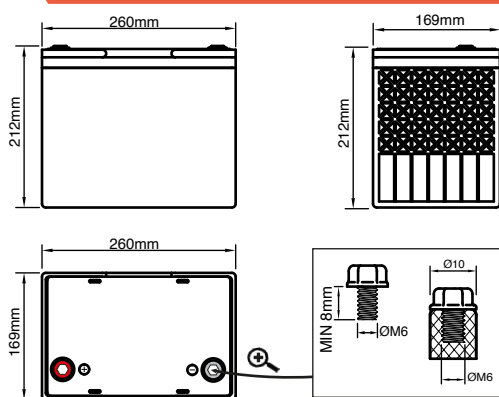


WARRANTY
5
YEARS

TECHNICAL SHEET



DIMENSIONS



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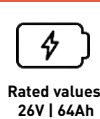
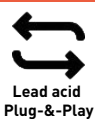
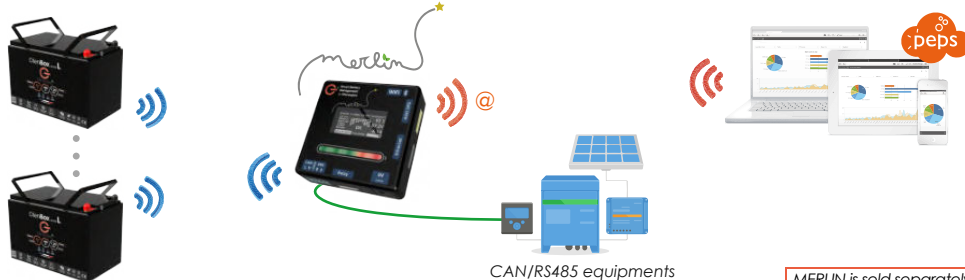
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Electrical Rated voltage 26.0 V Rated capacity 64.0 Ah Energy 1.66 kWh Internal resistance < 27.0 mΩ Monthly self discharge < 3 %	Mechanical Casing material ABS Dimensions (W*D*H) 260*169*212 mm Weight 13.00 kg Terminals M6 Ingress protection code IP65
Charge Charge efficiency > 98 % @0.2C Charge voltage 29.0 ± 0.1 V Charge mode CC/CV Rated charge current 35.0 A Charge cut-off current 0.05C Lead-acid charger Compatible	Discharge Discharge efficiency > 96% @0.5C Direct discharge current 65 A Maximum current 10 sec. 195 A Minimum voltage 20.0 V Configurable thresholds Yes Exceeding power On quotation

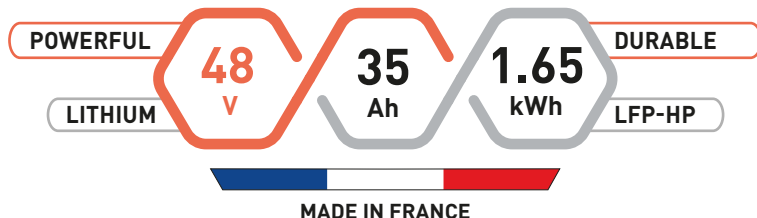
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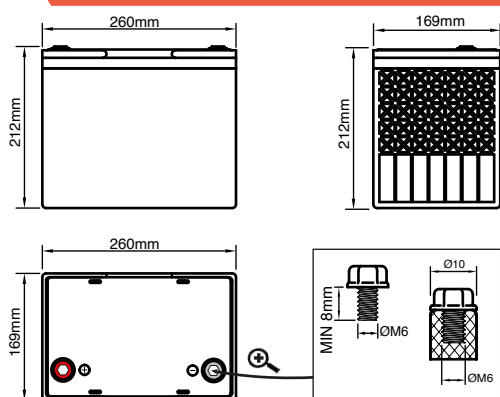


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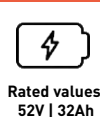
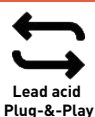
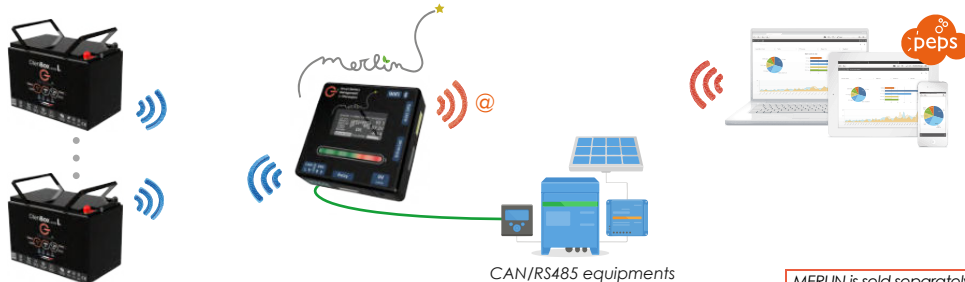
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SPECIFICATIONS

Electrical		Mechanical	
Rated voltage	52.0 V	Casing material	ABS
Rated capacity	32.0 Ah	Dimensions (W*D*H)	260*169*212 mm
Energy	1.66 kWh	Weight	13.00 kg
Internal resistance	< 100 mΩ	Terminals	M6
Monthly self discharge	< 3 %	Ingress protection code	IP65
Charge		Discharge	
Charge efficiency	> 98 % @0.2C	Discharge efficiency	> 96% @0.5C
Charge voltage	58.0 ± 0.1 V	Direct discharge current	35 A
Charge mode	CC/CV	Maximum current 10 sec.	105 A
Rated charge current	15.0 A	Minimum voltage	40.0 V
Charge cut-off current	0.05C	Configurable thresholds	Yes
Lead-acid chargers	Compatible	Exceeding power	On quotation

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ULTRA
COMPACT



LIGHT
WEIGHT



DESIGNED
TO ENDURE



NO
MAINTENANCE



USABLE IN
ALL DIRECTIONS



UNLIMITED
ASSEMBLY

WARRANTY
5
YEARS

TECHNICAL SHEET

POWERFUL

12
V

260
Ah

3.33
kWh

DURABLE

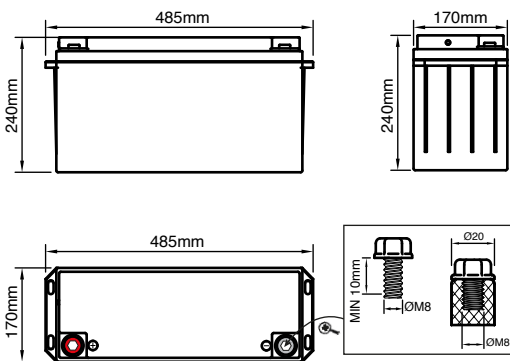
LITHIUM

LFP-HP

MADE IN FRANCE



DIMENSIONS



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Automatic preheating in very cold temperatures

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Self-consumption, renewable energies...

QUALITY

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- ✓ Manufacturer warranty: 5 years
- ✓ Manufacturing country: France

SPECIFICATIONS

Electrical		Mechanical	
Rated voltage	13.0 V	Casing material	ABS
Rated capacity	256.0 Ah	Dimensions (W*D*H)	485*170*240 mm
Energy	3.33 kWh	Weight	28.00 kg
Internal resistance	< 4.0 mΩ	Terminals	M8
Monthly self discharge	< 3 %	Ingress protection code	IP65
Charge		Discharge	
Charge efficiency	> 98 % @0.2C	Discharge efficiency	> 96% @0.5C
Charge voltage	14.5 ± 0.1 V	Direct discharge current	260 A
Charge mode	CC/CV	Maximum current 10 sec.	780 A
Rated charge current	130.0 A	Minimum voltage	10.0 V
Charge cut-off current	0.05C	Configurable thresholds	Yes
Lead-acid chargers	Compatible	Exceeding power	On quotation

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CAN/RS485 equipments

MERLIN is sold separately



SMART BMS
INSIDE



Lead acid
Plug-& Play



Charge: 130A
-30°C | +50°C



Discharge: 260A
-30°C | +65°C



Rated values
13V | 256Ah



Cells conform to
UL STD 1642



RoHS



Li-ion





ULTRA
COMPACT



LIGHT
WEIGHT



DESIGNED
TO ENDURE



NO
MAINTENANCE



USABLE IN
ALL DIRECTIONS



UNLIMITED
ASSEMBLY

WARRANTY
5
YEARS

TECHNICAL SHEET

POWERFUL

48
V

LITHIUM

65
Ah

3.33
kWh

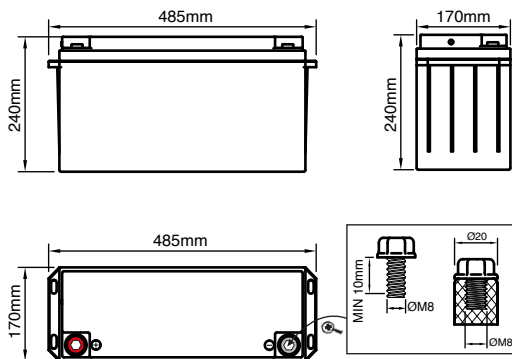
DURABLE

LFP-HP

MADE IN FRANCE



DIMENSIONS



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SPECIFICATIONS

Electrical

Rated voltage	52.0 V
Rated capacity	64.0 Ah
Energy	3.33 kWh
Internal resistance	< 53.0 mΩ
Monthly self discharge	< 3 %

Mechanical

Casing material	ABS
Dimensions (W*D*H)	485*170*240 mm
Weight	27.00 kg
Terminals	M8
Ingress protection code	IP65

Charge

Charge efficiency	> 98 % @0.2C
Charge voltage	58.0 ± 0.1 V
Charge mode	CC/CV
Rated charge current	35.0 A
Charge cut-off current	0.05C
Lead-acid chargers & alternators	Compatible

Discharge

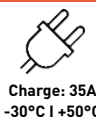
Discharge efficiency	> 96% @0.5C
Direct discharge current	65 A
Maximum current 10 sec.	195 A
Minimum voltage	40.0 V
Configurable thresholds	Yes
Exceeding power	On quotation

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CURVES PROFILES



SAFE
DURABLE
POWERFUL

- ✓ 4,000 cycles @80% DoD @80% SoH
- ✓ 8,000 cycles @70% DoD @70% SoH
- ✓ 12,000 cycles @60% DoD @80% SoH



Longest service life on the market

Our systems are design to last up to 25 years, providing the lowest Total Cost of Ownership (TCO).



Eco-friendly

Circular Economy product.
Recyclable battery containing neither lead nor cobalt.



100% secure

LFP-HP chemistry is intrinsically safe and the BMS protect the battery. No risk of fire or deflagration.



Onboard intelligence

Our intelligent BMS detects any anomaly.
Connected batteries = 24/7 monitoring & supervision.



Fast charge

There is no need to follow a sequential curve.
Charging efficiency is close to 100%.

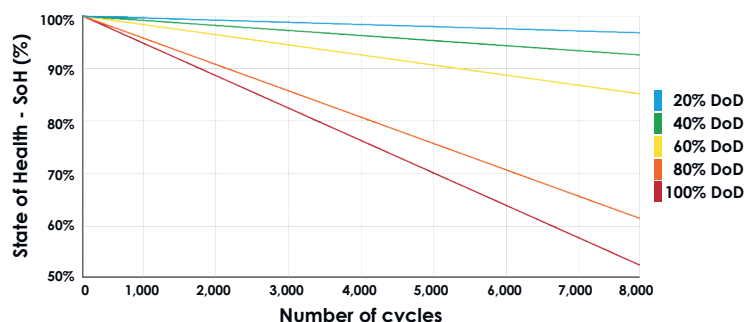


Extreme temperature resistant

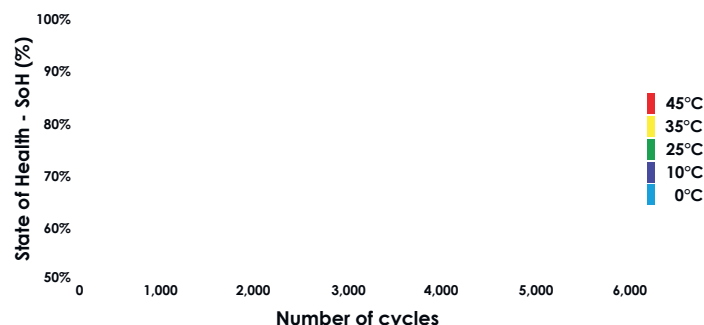
Olenergies systems are always the technological best choice for both hot and cold environments.

LIFETIME CURVES

State of Health (SoH) related to the number of cycles for different Depths of Discharge (DoD) @1C and 25°C

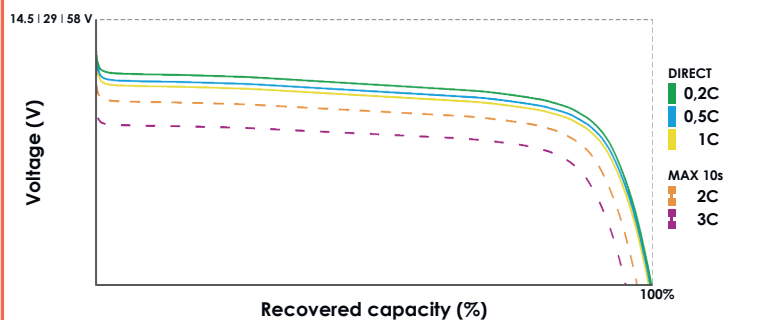


State of Health (SoH) related to the number of cycles for different temperatures @1C and 100% DoD

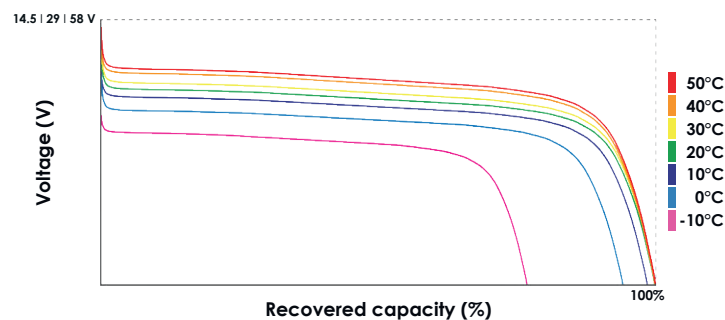


DISCHARGE CURVES

Voltage curves @25°C for various discharge currents

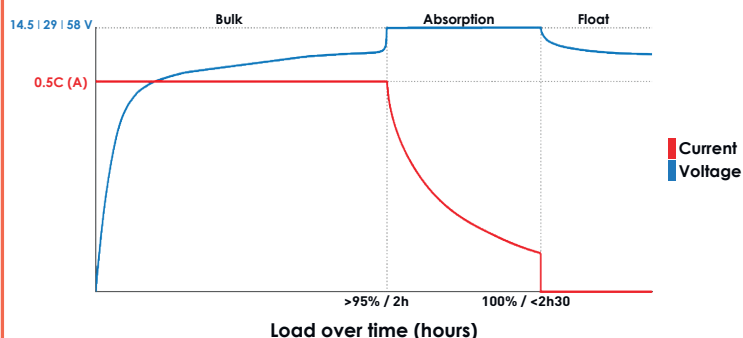


Voltage curves @C/5 for various temperatures



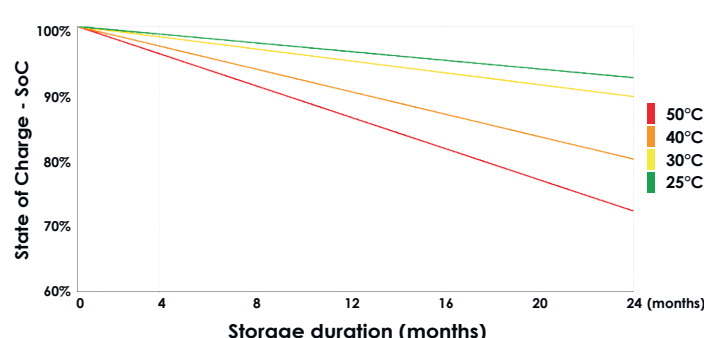
CHARGE CURVE

Constant Current/ Constant Voltage (CC/CV) recommended charge



SELF-DISCHARGE CURVE

Self-discharge according to time and storage temperature



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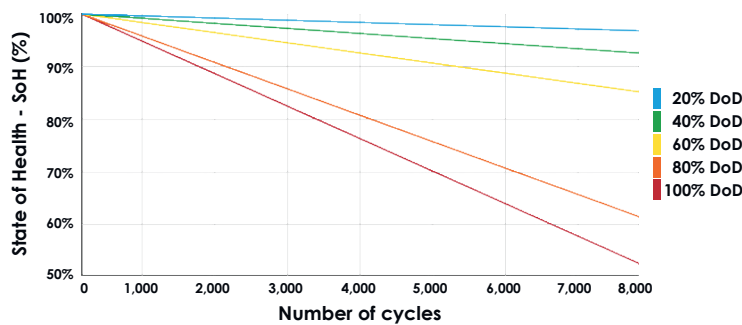


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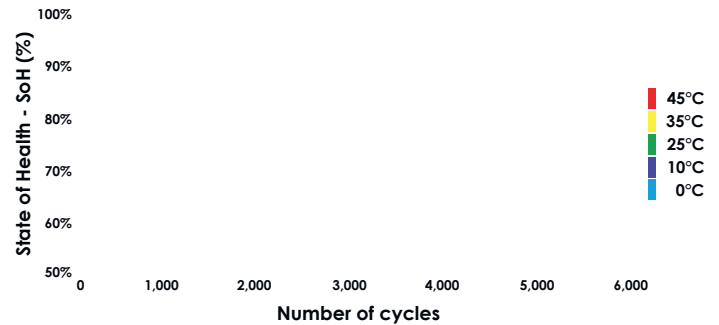
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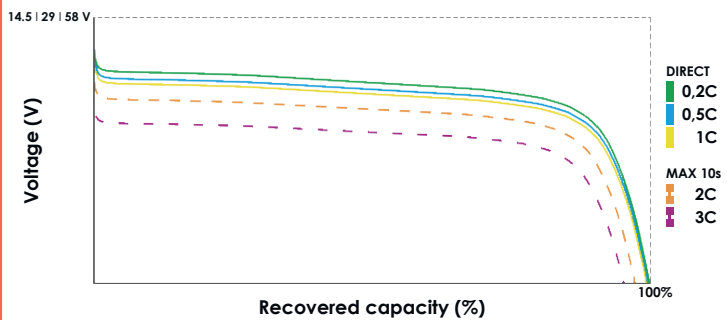


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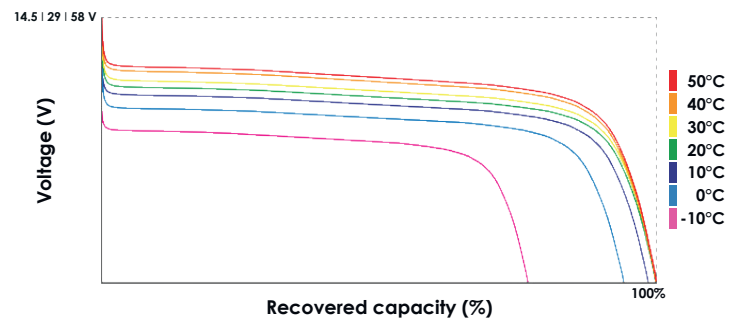


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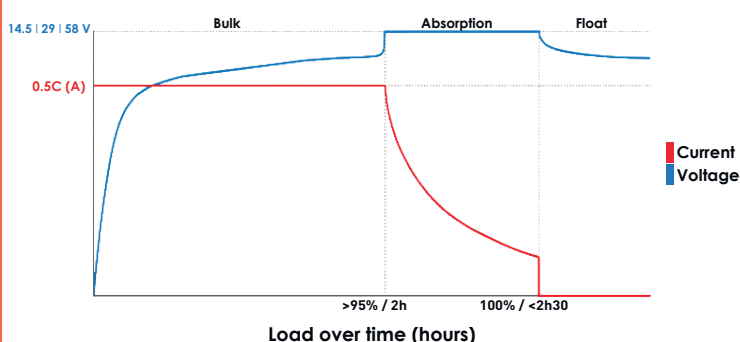


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