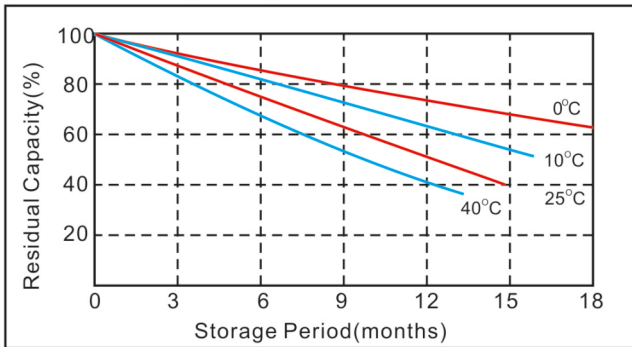




Parameter Chart:

Volts		12V
Capacity(25°C)	10 hours rate (8.5A)	85Ah
Internal Resistance	Full Charged Battery 25°C	≤ 15mΩ
Capacity Affected By Temperature (at 0.5C)	40°C	101%
	25°C	100 %
	0°C	93 %
	-20°C	80 %
Residual Capacity (25°C)	Capacity After 3 Months Storage	91 %
	Capacity After 6 Months Storage	82 %
	Capacity After 12 Months Storage	60 %
Charge (Constant Voltage)	Cycle (25°C)	Recomended Initial Charging Current Less Than 25A Voltage 14,2 - 14,6 V
Discharge Current (25°C)	42A (Max. continuous) ; 100A (5 Seconds)	
Weight (Approx)		8 kg +/- %10

Residual Capacity



Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	2h	3h	4h	5h	8h	10h	20h
10V	100	66.7	50	40	25	20	10

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/Time	2h	3h	4h	5h	8h	10h	20h
10V	1200	800	600	480	300	256	128

Capacity Factors With Different Temperature

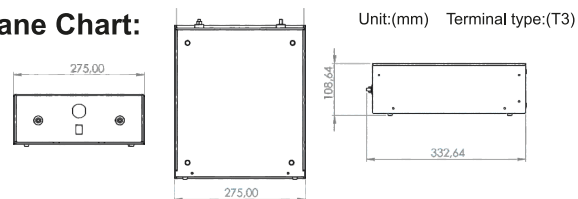
Battery Type		-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
Li Battery	12V	80%	87%	93%	95%	97%	100%	100%	100%	101%	102%

★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

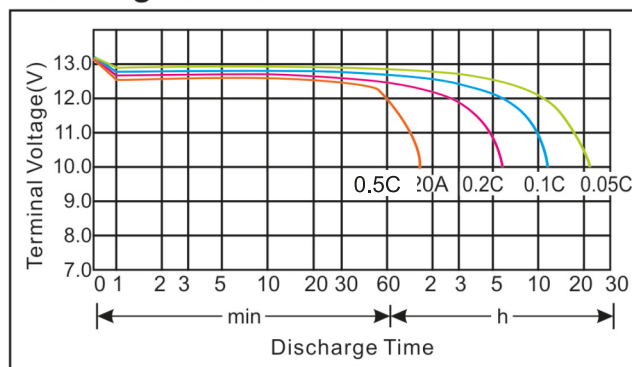
12.8 V 85 Ah LiFePO4

- Extremely durable and reliable
- High charging efficiency with high current
- Improved cycle life performance
- Improved 100% Domestic BMS Technology
- Vibration resistant (suitable for mobile applications)

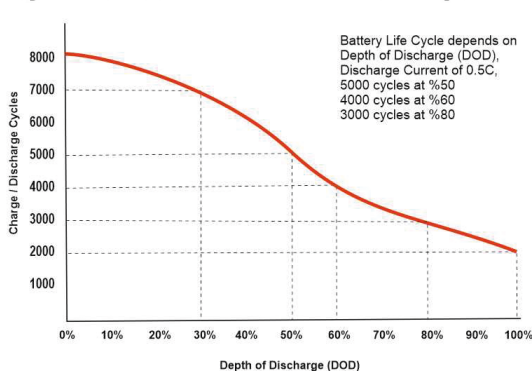
Plane Chart:



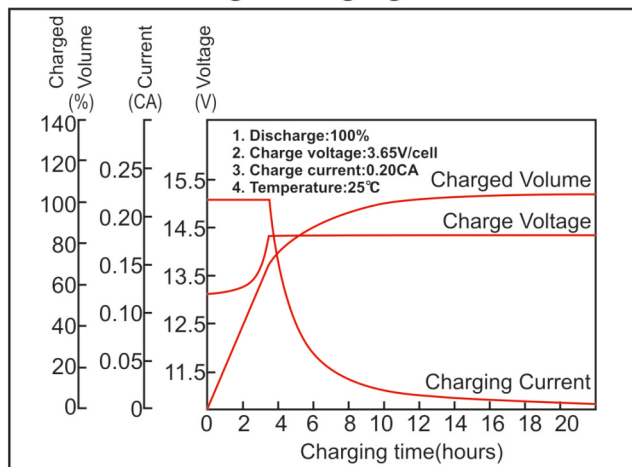
Discharge Current 25°C



Cycle service life in relation to the depth of discharge



Constant voltage charging characteristics

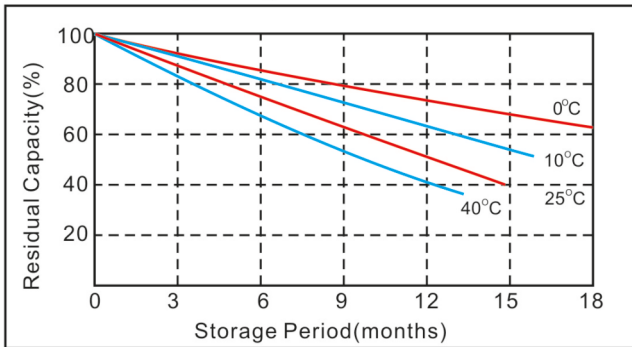




Parameter Chart:

Volts		12V
Capacity(25°C)	10 hours rate (8.5A)	85Ah
Internal Resistance	Full Charged Battery 25°C	≤ 20mΩ
Capacity Affected By Temperature (at 0.5C)	40°C	101%
	25°C	100 %
	0°C	93 %
	-20°C	80 %
Residual Capacity (25°C)	Capacity After 3 Months Storage	91 %
	Capacity After 6 Months Storage	82 %
	Capacity After 12 Months Storage	60 %
Charge (Constant Voltage)	Cycle (25°C)	Recomended Initial Charging Current Less Than 30A Voltage 14,2 - 14,6 V
Discharge Current (25°C)	50A (Max. continuous) ; 100A (5 Seconds)	
Weight (Approx)		10 kg +/- %10

Residual Capacity



Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	1h	2h	3h	4h	5h	8h	10h	20h
10V	100	50	33.3	25	20	12.5	10	5

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/Time	1h	2h	3h	4h	5h	8h	10h	20h
10V	1200	600	400	300	240	150	128	64

Capacity Factors With Different Temperature

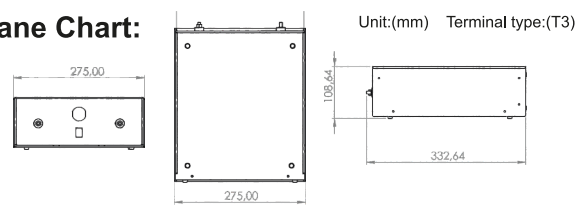
Battery Type		-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
Li Battery	12V	73%	82%	93%	95%	97%	100%	100%	100%	101%	102%

★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

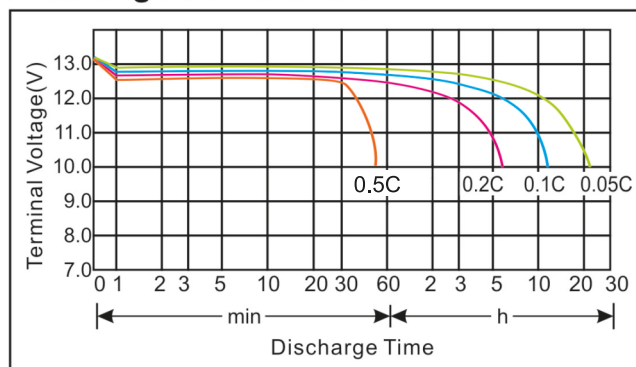
12.8 V 100 Ah LiFePO4

- Extremely durable and reliable
- High charging efficiency with high current
- Improved cycle life performance
- Improved 100% Domestic BMS Technology
- Vibration resistant (suitable for mobile applications)

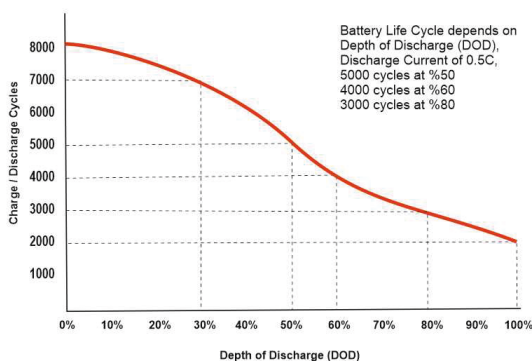
Plane Chart:



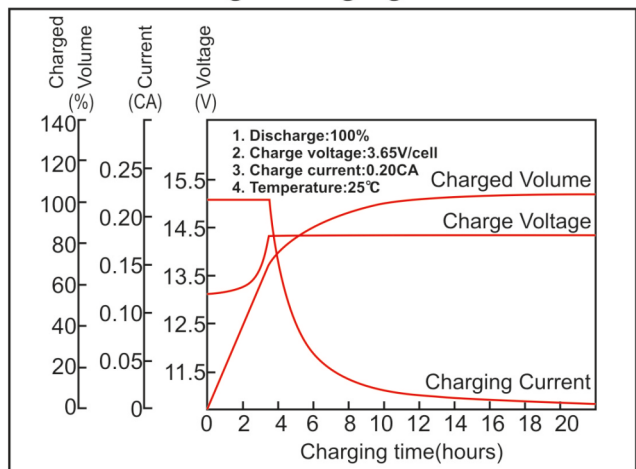
Discharge Current 25°C



Cycle service life in relation to the depth of discharge



Constant voltage charging characteristics

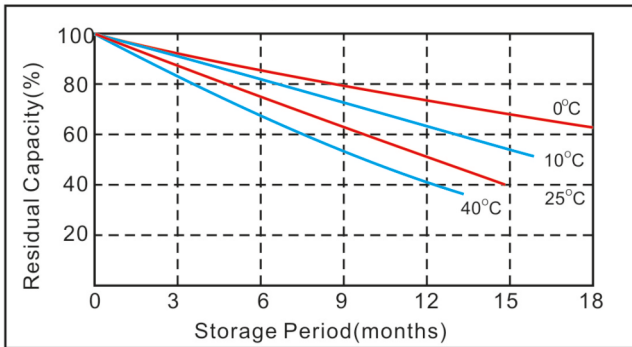




Parameter Chart:

Volts		12V
Capacity(25°C)	10 hours rate (8.5A)	85Ah
Internal Resistance	Full Charged Battery 25°C	≤ 15mΩ
Capacity Affected By Temperature	40°C	101%
	25°C	100 %
	0°C	93 %
	-20°C	80 %
Residual Capacity (25°C)	Capacity After 3 Months Storage	91 %
	Capacity After 6 Months Storage	82 %
	Capacity After 12 Months Storage	60 %
Charge (Constant Voltage)	Cycle (25°C)	Recomended Initial Charging Current Less Than 45A Voltage 14,2 - 14,6 V
Discharge Current (25°C)	75A (Max. continuous) 150A (5 seconds)	
Weight (Approx)		15 kg +/- %10

Residual Capacity



Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	2h	3h	4h	5h	8h	10h	20h
10V	100	66.7	50	40	25	20	10

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/Time	2h	3h	4h	5h	8h	10h	20h
10V	1200	800	600	480	300	256	128

Capacity Factors With Different Temperature

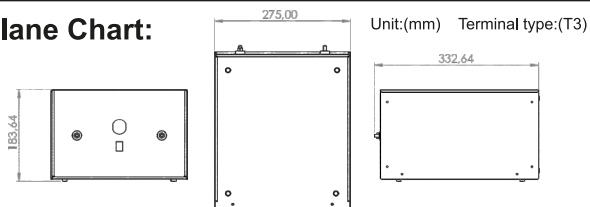
Battery Type		-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
Li Battery	12V	73%	82%	93%	95%	97%	100%	100%	100%	101%	102%

★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

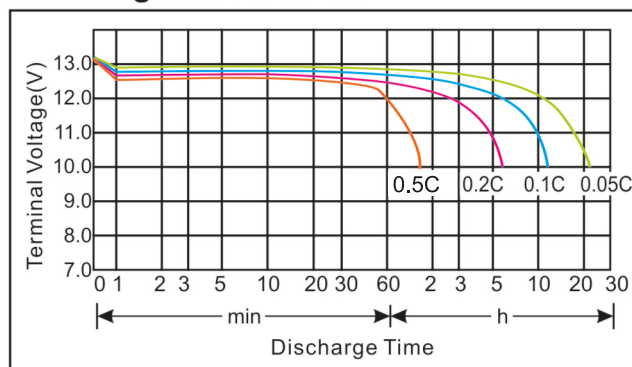
12.8 V 150 Ah LiFePO4

- Extremely durable and reliable
- High charging efficiency with high current
- Improved cycle life performance
- Improved 100% Domestic BMS Technology
- Vibration resistant (suitable for mobile applications)

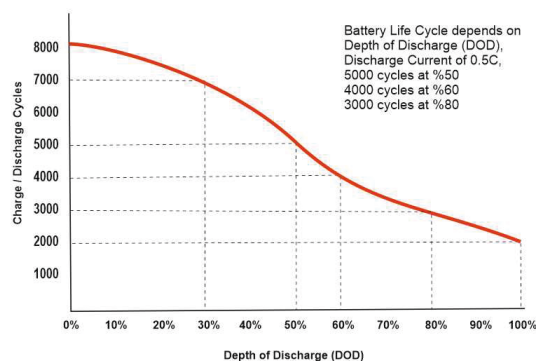
Plane Chart:



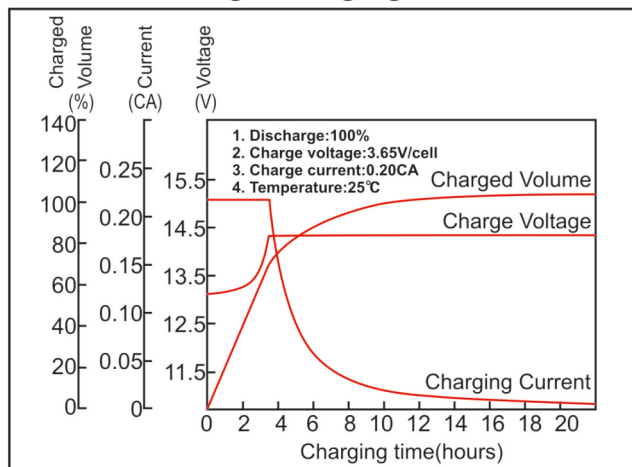
Discharge Current 25°C



Cycle service life in relation to the depth of discharge



Constant voltage charging characteristics

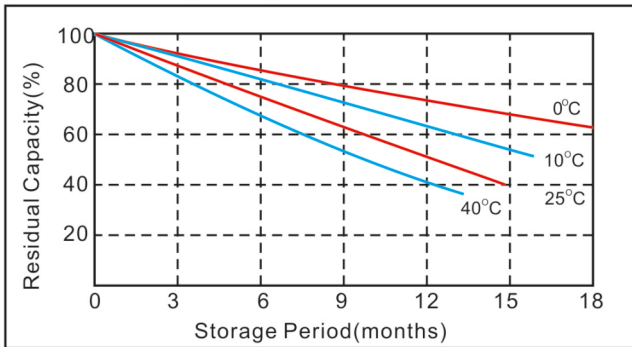




Parameter Chart:

Volts		12V
Capacity(25°C)	10 hours rate (8.5A)	85Ah
Internal Resistance	Full Charged Battery 25°C	≤ 15mΩ
Capacity Affected By Temperature	40°C	101%
	25°C	100 %
	0°C	93 %
	-20°C	80 %
Residual Capacity (25°C)	Capacity After 3 Months Storage	91 %
	Capacity After 6 Months Storage	82 %
	Capacity After 12 Months Storage	60 %
Charge (Constant Voltage)	Cycle (25°C)	Recomended Initial Charging Current Less Than 60A Voltage 14,2 - 14,6 V
Discharge Current (25°C)	60A (Recomended conts. discharge current) 150A (5sn / max. discharge current)	
Weight (Approx)		20 kg +/- %10

Residual Capacity



Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	2h	3h	4h	5h	8h	10h	20h
10V	100	66.7	50	40	25	20	10

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/Time	2h	3h	4h	5h	8h	10h	20h
10V	1200	800	600	480	300	256	128

Capacity Factors With Different Temperature

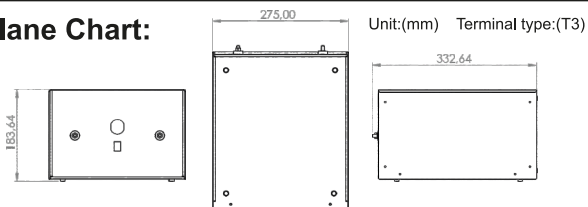
Battery Type		-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
Li Battery	12V	73%	82%	93%	95%	97%	100%	100%	100%	101%	102%

★The above are average and data obtained from the frsr 3 charge/discharge cycles. These are not minimum values.

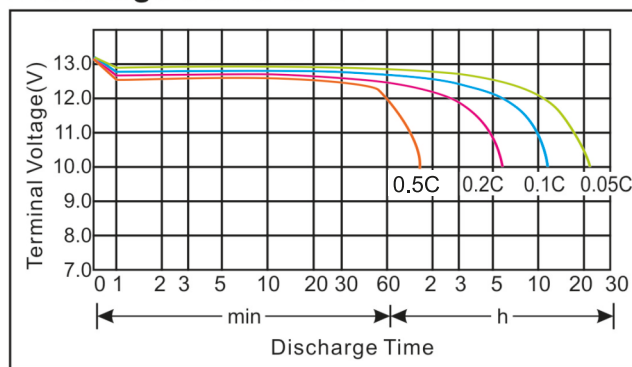
12.8 V 200 Ah LiFePO4

- Extremely durable and reliable
- High charging efficiency with high current
- Improved cycle life performance
- Improved 100% Domestic BMS Technology
- Vibration resistant (suitable for mobile applications)

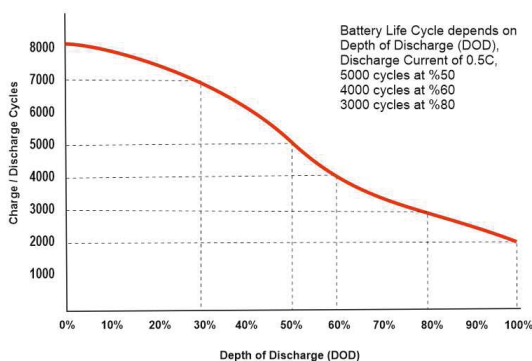
Plane Chart:



Discharge Current 25°C



Cycle service life in relation to the depth of discharge



Constant voltage charging characteristics

