



SCAN QR CODE



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SOLAR SYSTEM

Lithium iron (LiFePO₄)Battery

www.scientekpower.com

Lithium Iron (LiFePO₄) Battery

ALFP-1207(12.8V 7Ah)

Features

Longer Cycle Life : Offer up to 10 times longer cycle life and five times longer float/calendar life than lead acid battery, helping it minimize replacement cost and reduce total cost of ownership.

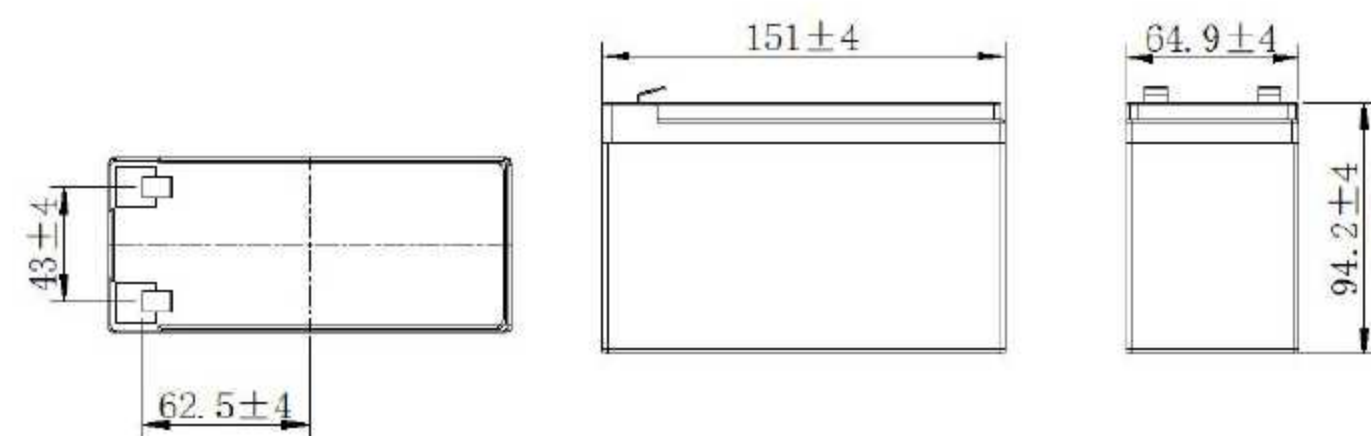
Lighter Weight : About 40% of the weight of a comparable lead acid battery. A'drop in' replacement for lead acid batteries.

Higher Power : Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

Wider Temperature Range : -20~60°C

Superior Safety : Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.

Dimension-mm



Application

- Solar/Wind energy Storage
- Golf cart
- Back-up Power for UPS/EPS
- Tools

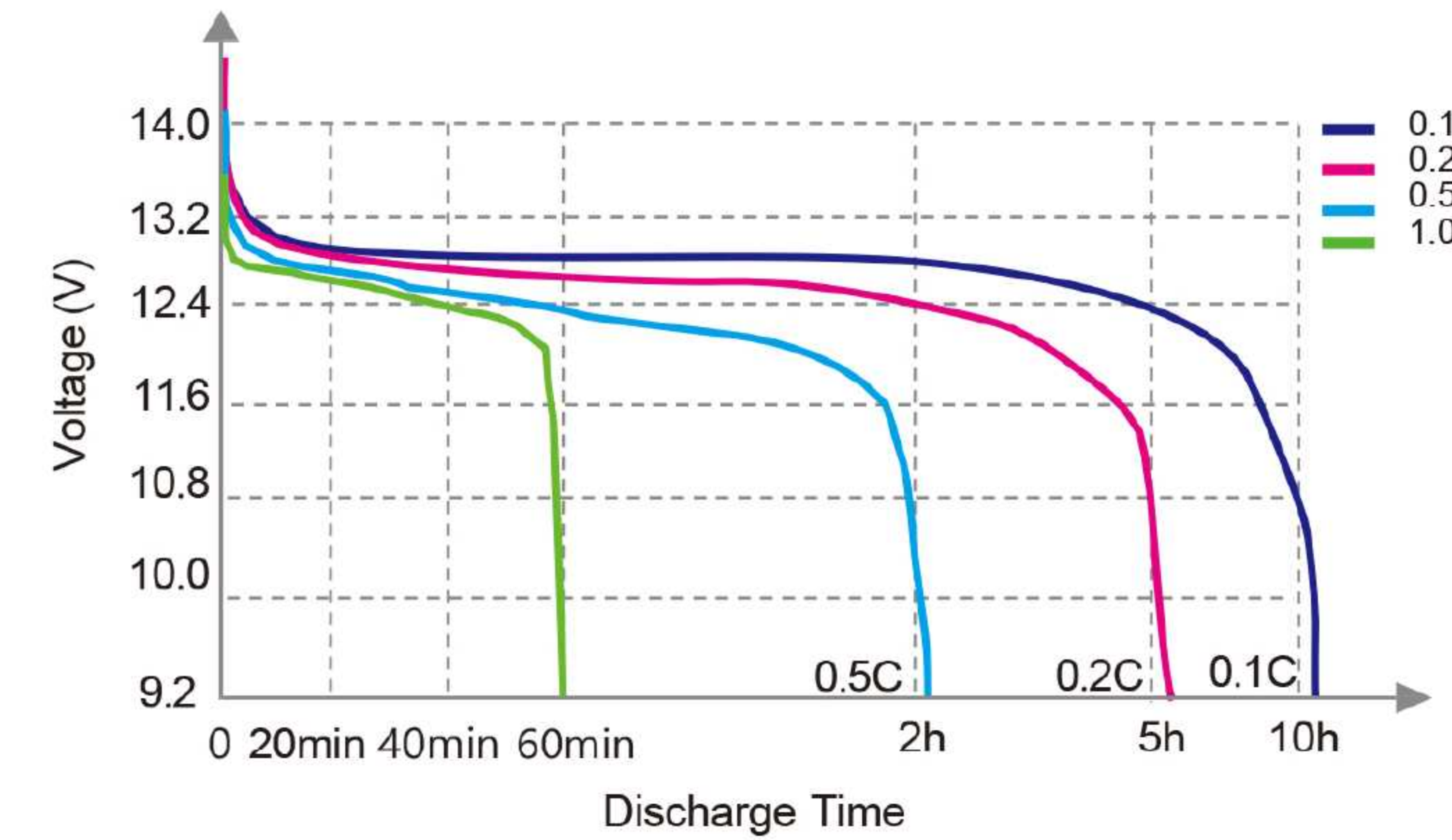
Specification

Basic Parameters	Rated Voltage	12.8V
	Rated Capacity	7Ah
	Rated Energy	89.6wh
	Internal Resistance (AC)	≤80mΩ
	Cycle Life	≥2000 cycles @80%DOD
	Self Discharge	1%/months
	Efficiency of Charge	≥97%
	Efficiency of Discharge	≥98%
Charge	Charge Voltage	14.2V
	Charge Current (Recomm.)	3.5A
	Charge Current (Max.)	7A
Discharge	Discharge Cut-off Voltage	10V
	Discharge Current (Recomm.)	3A
	Pulse Current	8A (3S)
Environment	Charge Temperature	0°C to 60°C
	Discharge Temperature	-20°C to 60°C
	Humidity	5% to 95%
Physical Characteristics	IP Class	IP30
	Terminal	F2
	Plastic Case	ABS
	Dimensions (mm)	151*64.9*94.2mm (±4mm)
	Weight (kg)	1.0kg
	Others(optional)	Shell color, IP rating

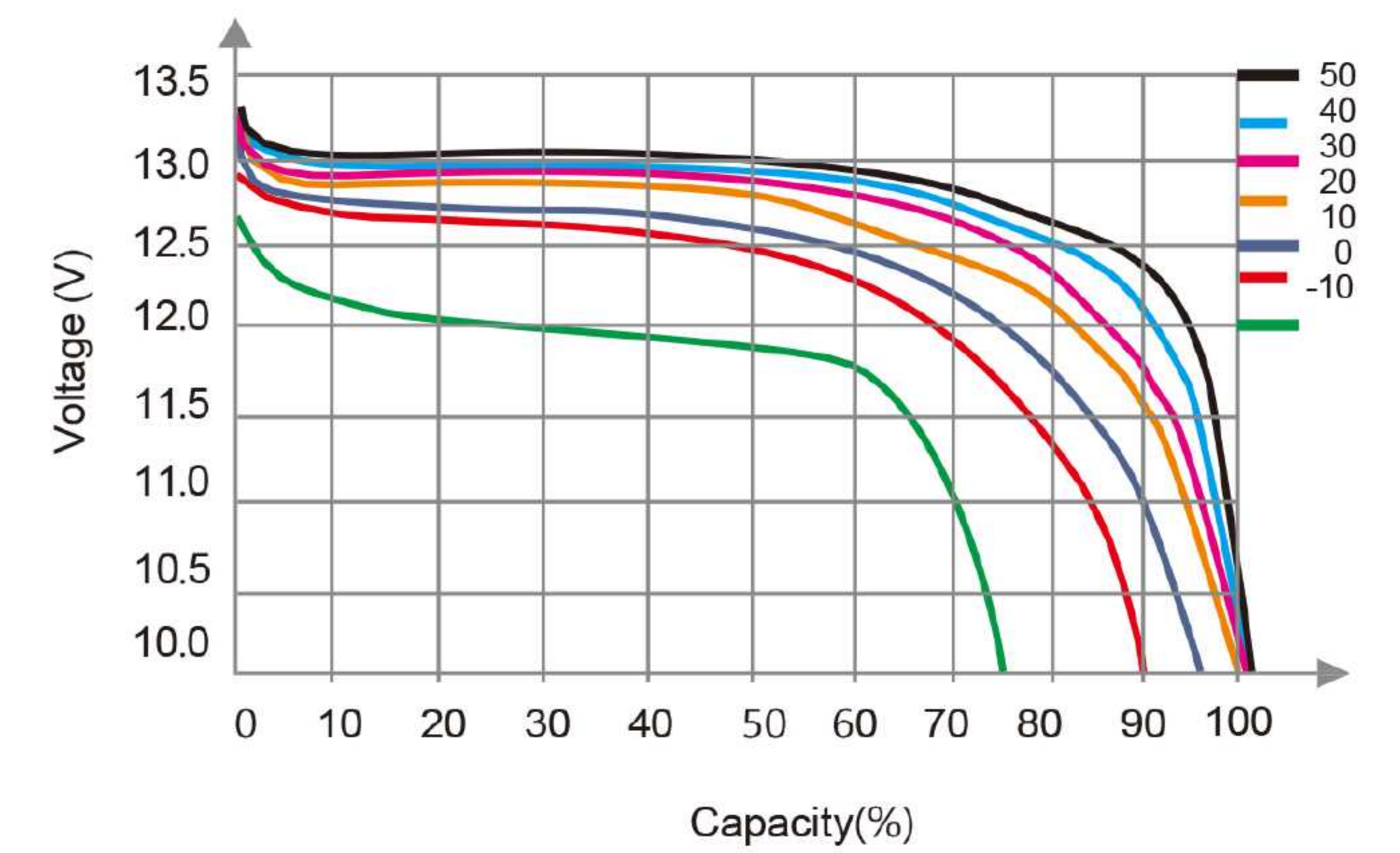
Lithium Iron (LiFePO₄) Battery

ALFP-1207(12.8V 7Ah)

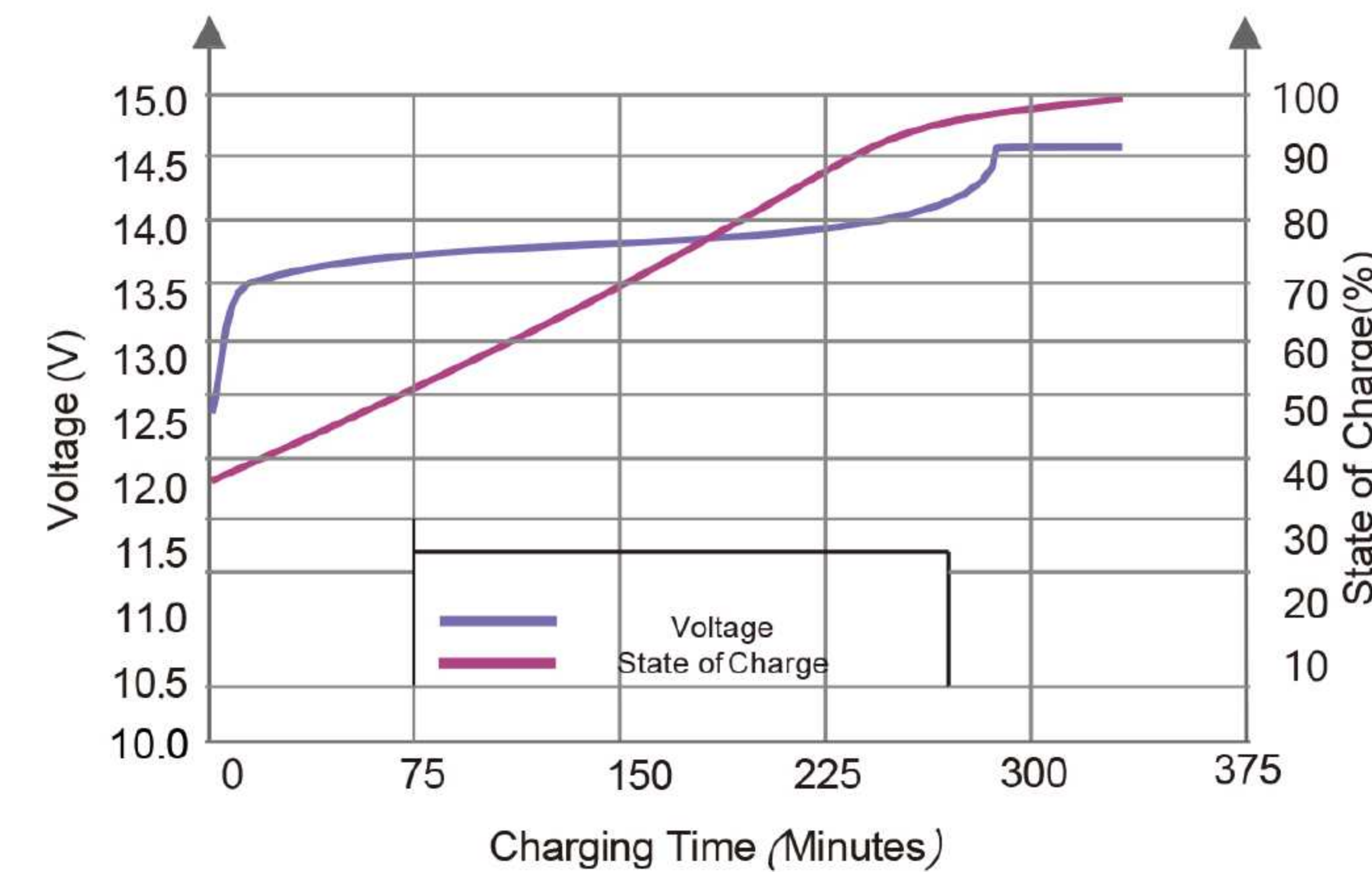
Different Rate Discharge Curve(25°C)



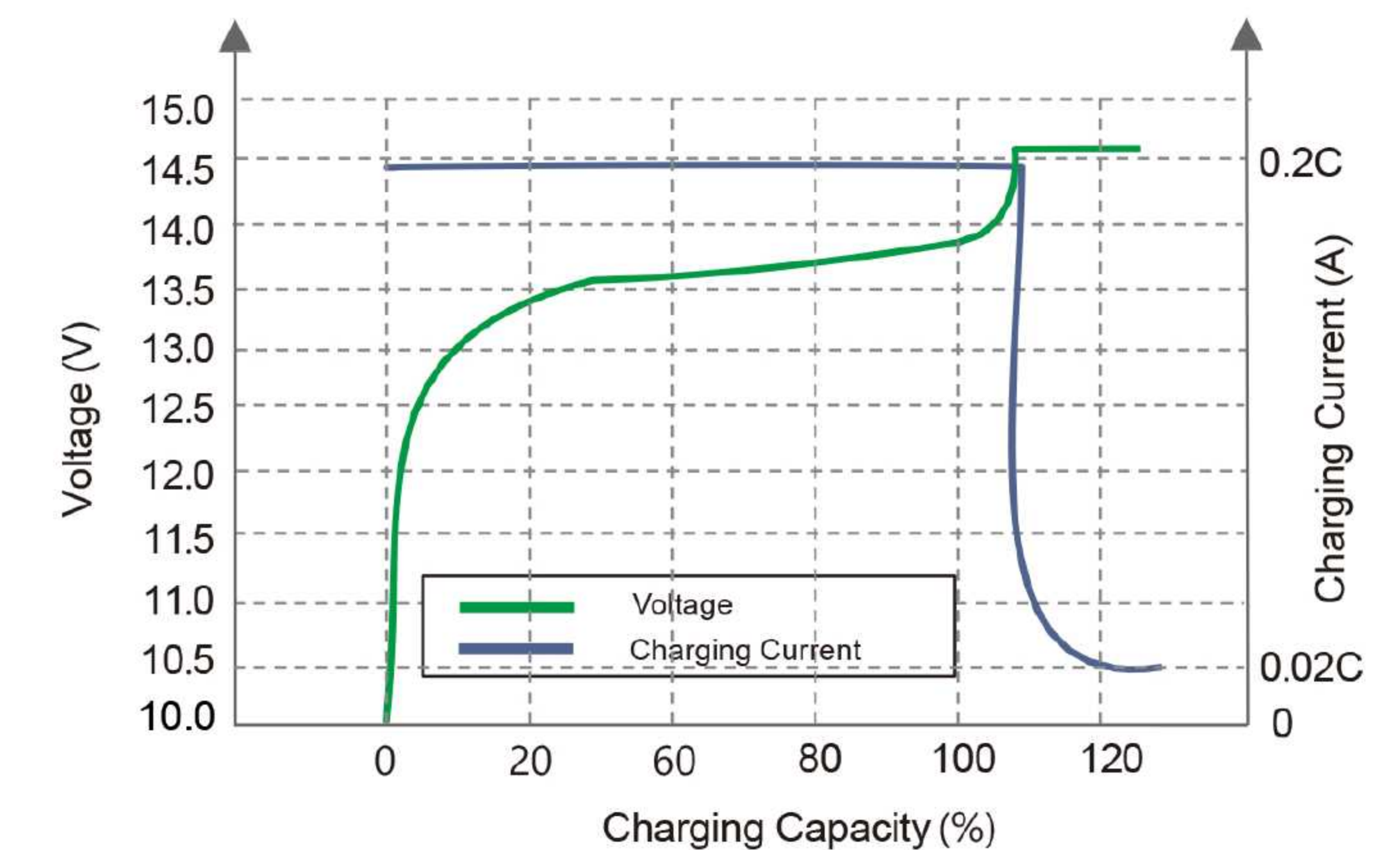
Different Temperature Discharge Curve(0.5C)



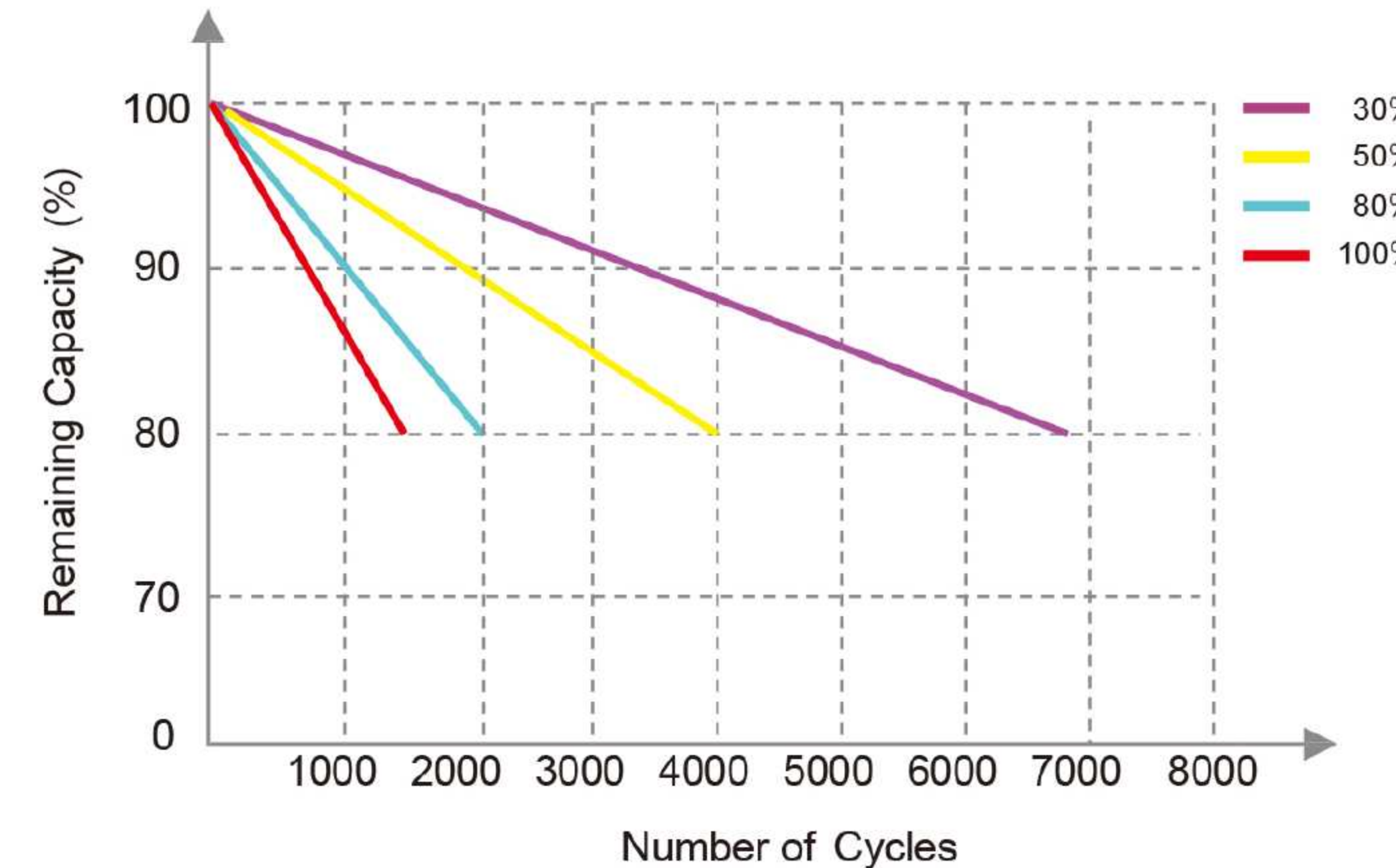
State of Charge Curve(0.2C, 25°C)



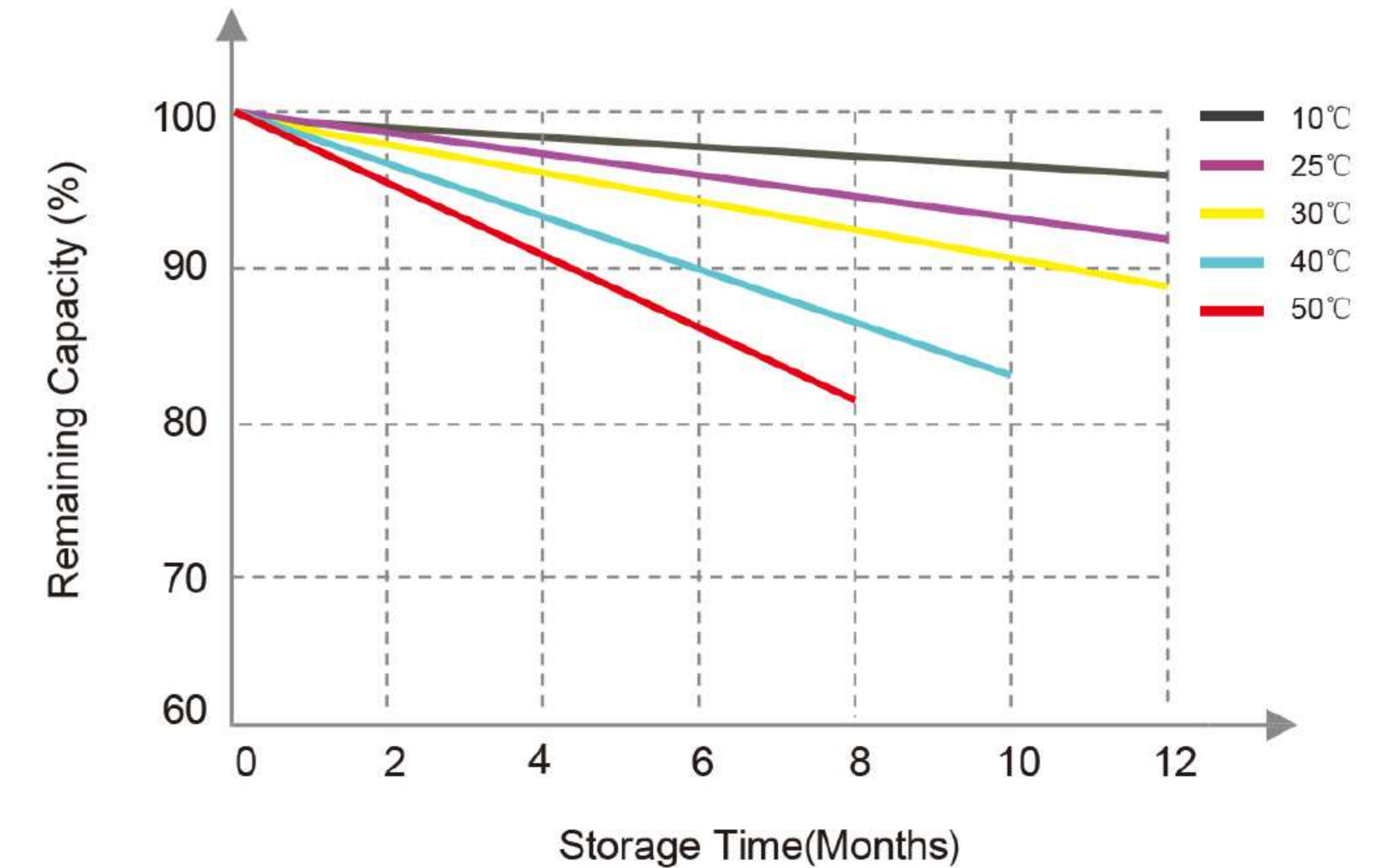
Charging Characteristics(0.2C, 25°C)



Different DOD Discharge Cycle Life Curve



Different Temperature Self Discharge Curve



Lithium Iron (LiFePO₄) Battery

ALFP-1212(12.8V 12Ah)

Features

Longer Cycle Life : Offer up to 10 times longer cycle life and five times longer float/calendar life than lead acid battery, helping it minimize replacement cost and reduce total cost of ownership.

Lighter Weight : About 40% of the weight of a comparable lead acid battery. A'drop in' replacement for lead acid batteries.

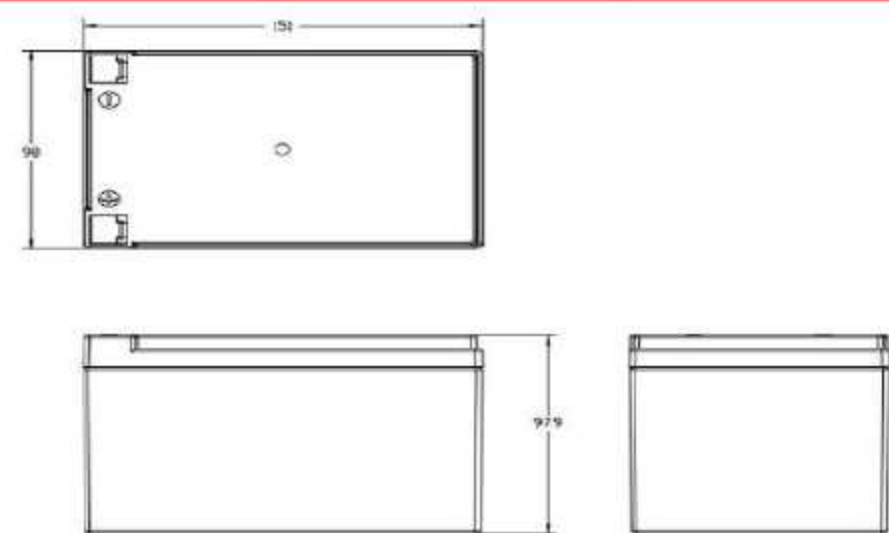
Higher Power : Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

Wider Temperature Range : -20~60°C

Superior Safety : Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.



Dimension-mm



Application

- Solar/Wind energy Storage
- Golf cart
- Back-up Power for UPS/EPS
- Tools

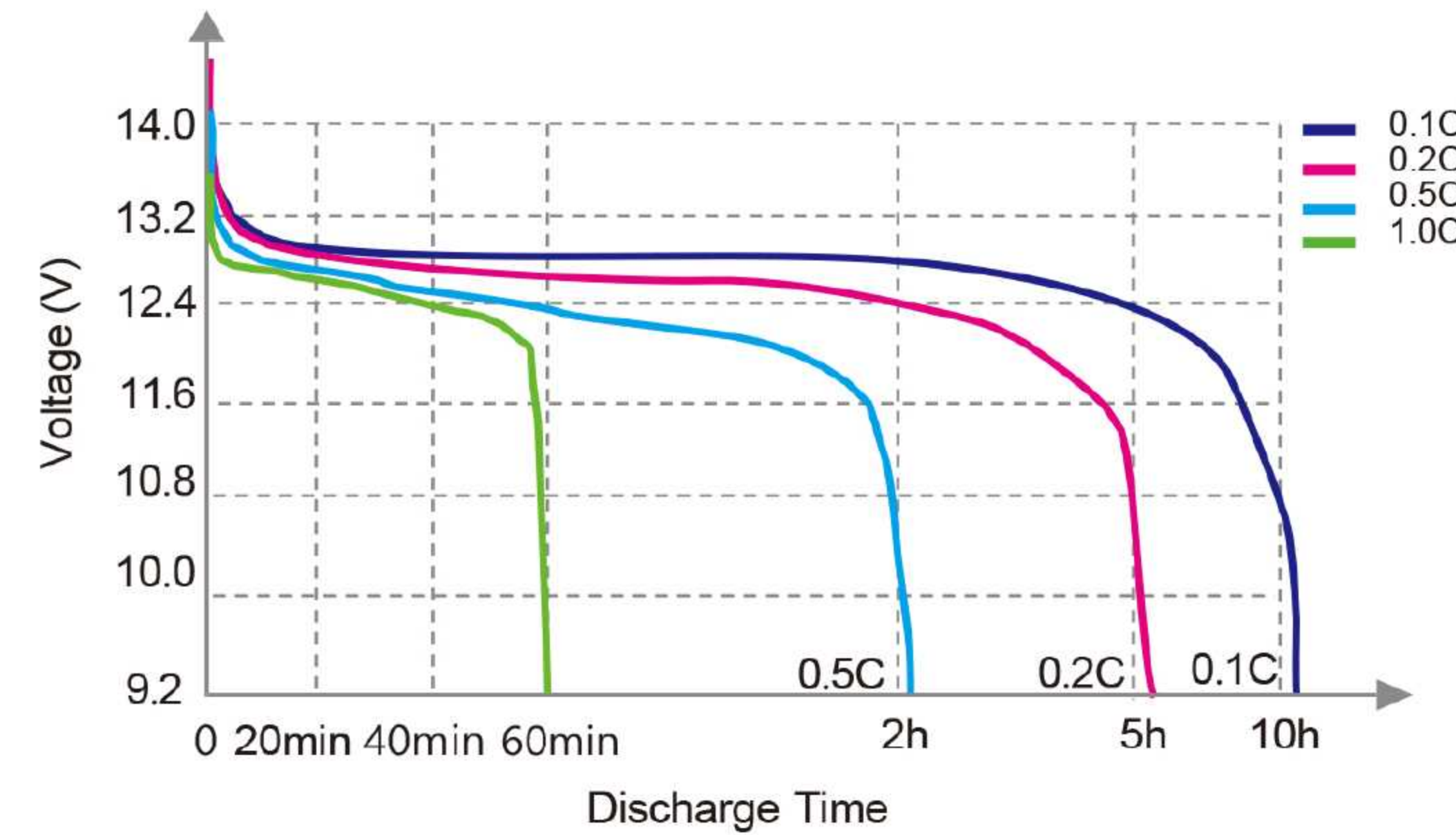
Specification

Basic Parameters	Rated Voltage	12.8V
	Rated Capacity	12Ah
	Rated Energy	153.6wh
	Internal Resistance (AC)	≤80mΩ
	Cycle Life	≥2000 cycles @80%DOD
	Self Discharge	1%/months
	Efficiency of Charge	≥97%
	Efficiency of Discharge	≥98%
Charge	Charge Voltage	14.6V
	Charge Current (Recomm.)	2.4A
	Charge Current (Max.)	12A
Discharge	Discharge Cut-off Voltage	10.0V
	Discharge Current(Recomm.)	6A
	Pulse Current	20A (3S)
Environment	Charge Temperature	0°C to 60°C
	Discharge Temperature	-20°C to 60°C
	Humidity	5% to 95%
Physical Characteristics	IP Class	IP30
	Terminal	F2
	Plastic Case	ABS
	Dimensions (mm)	151*97.9*98mm (±4mm)
	Weight (kg)	1.5kg
	Others(optional)	Shell color, IP rating

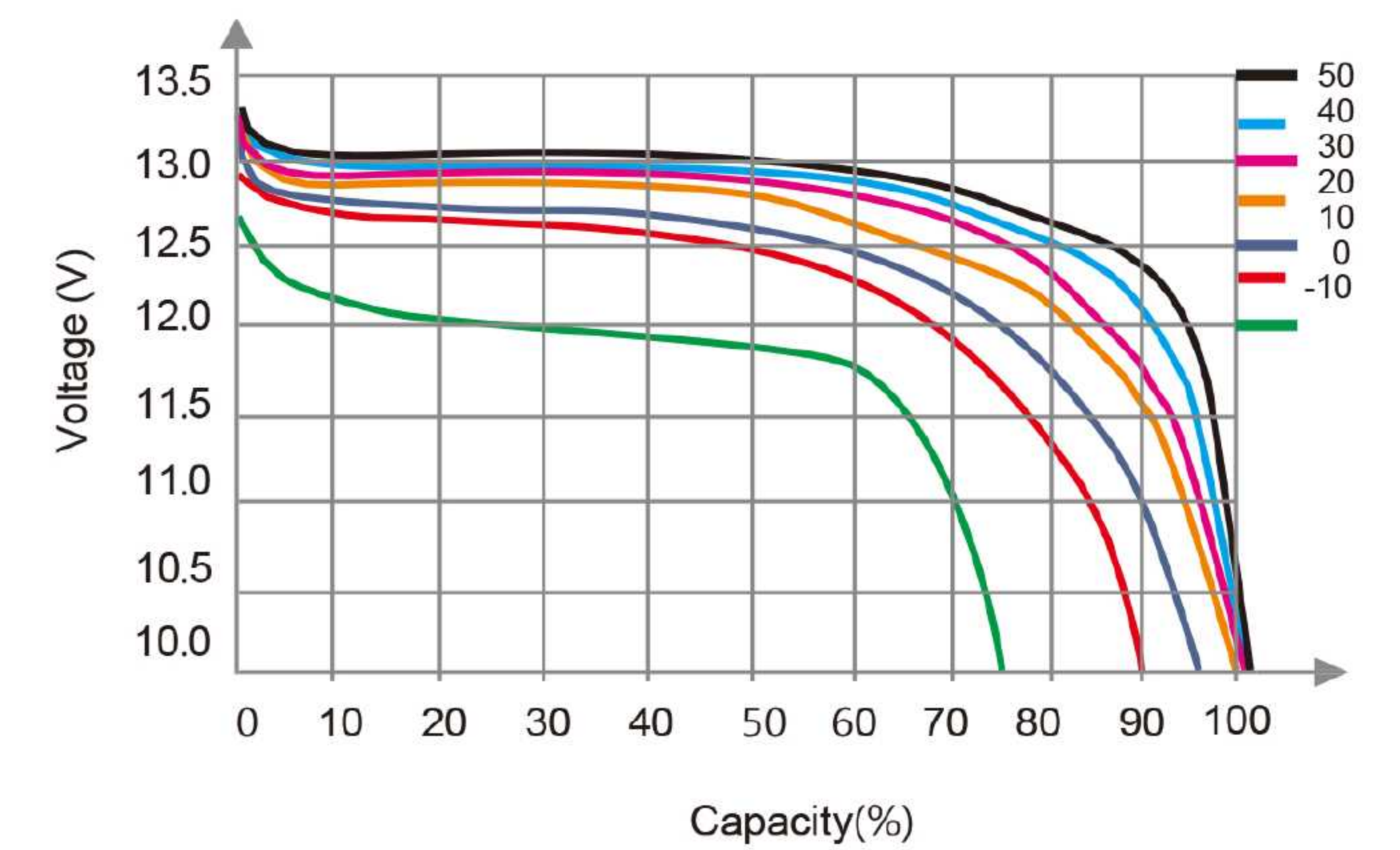
Lithium Iron (LiFePO₄) Battery

ALFP-1212(12.8V 12Ah)

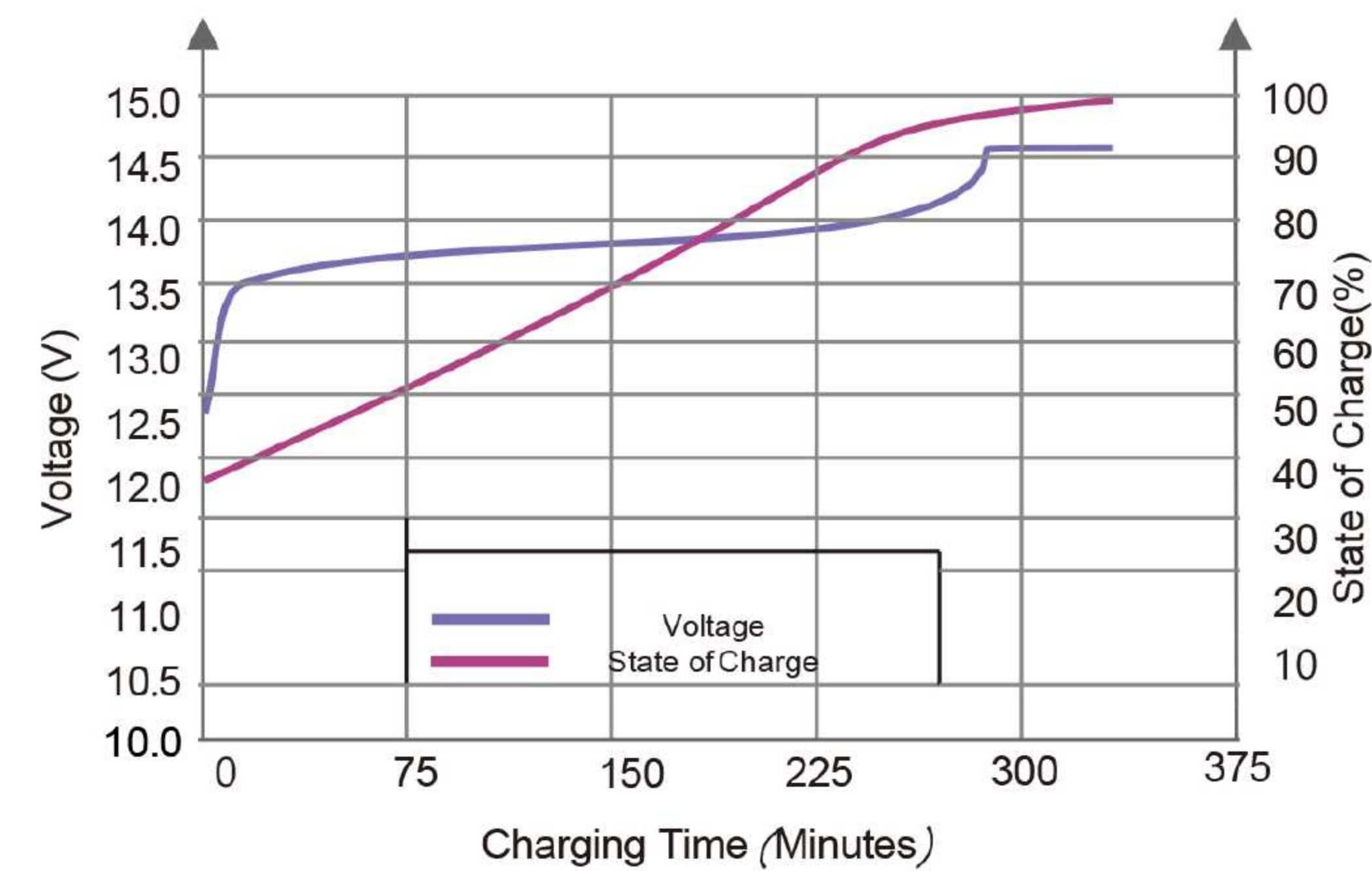
Different Rate Discharge Curve(25°C)



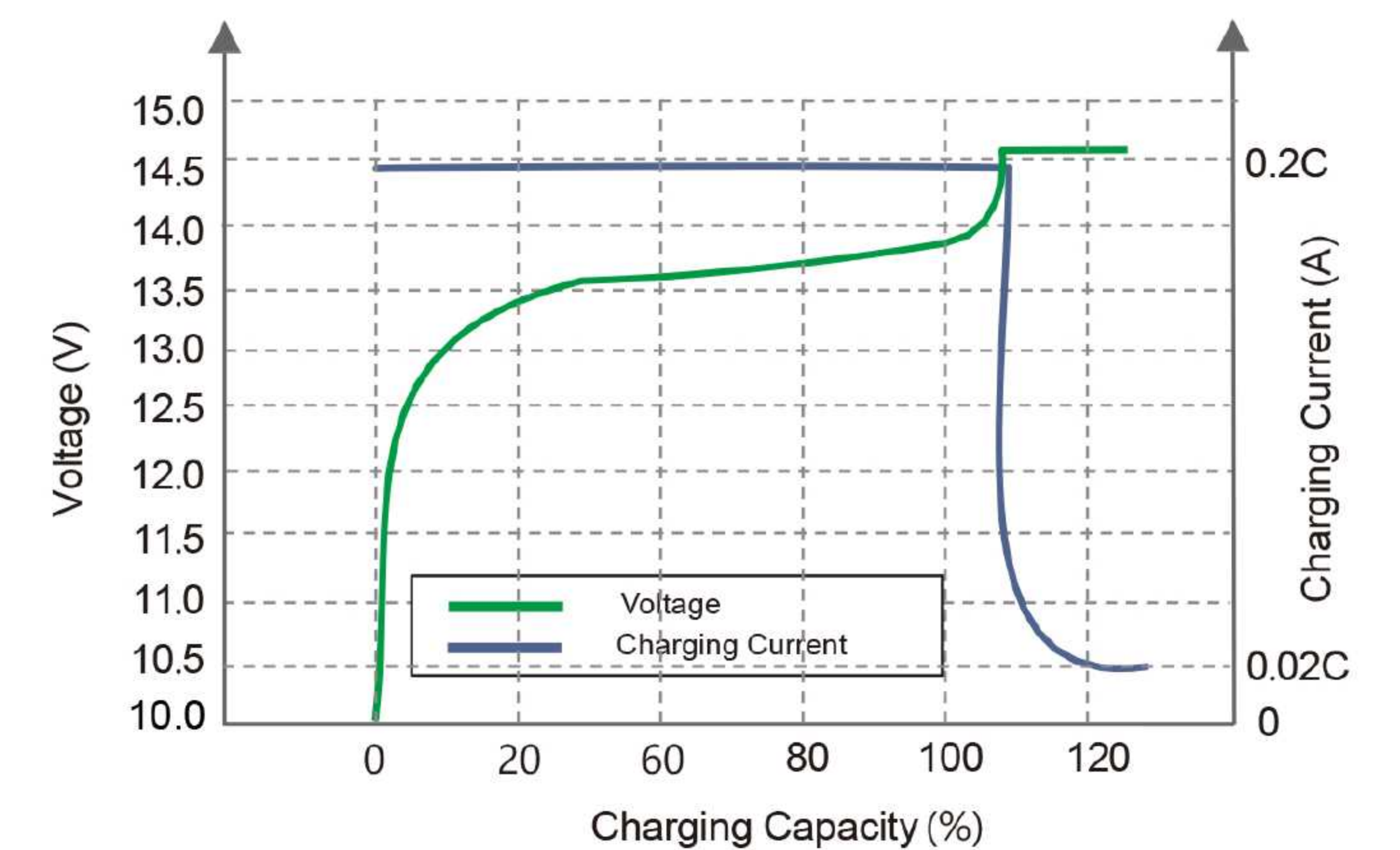
Different Temperature Discharge Curve(0.5C)



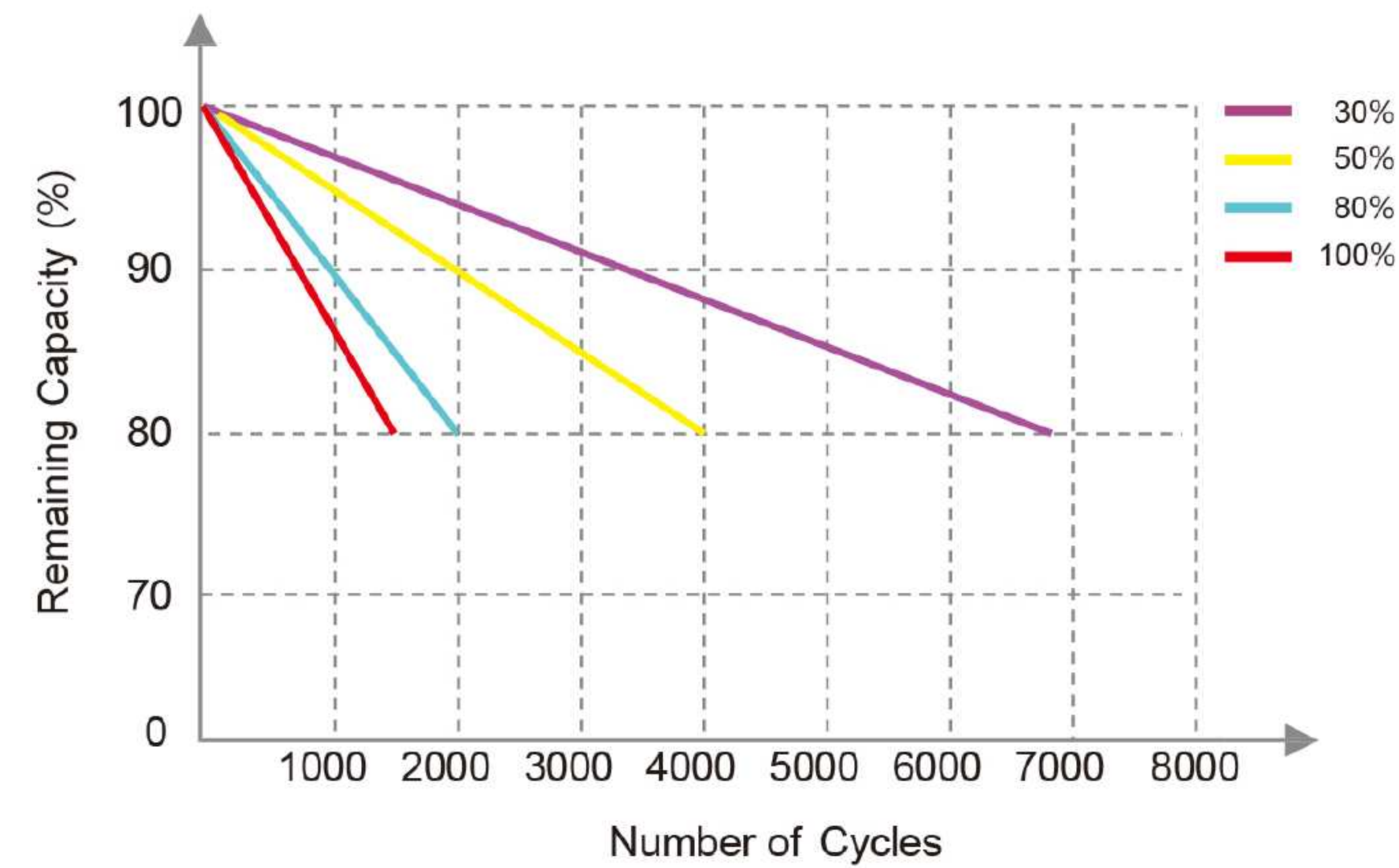
State of Charge Curve(0.2C, 25°C)



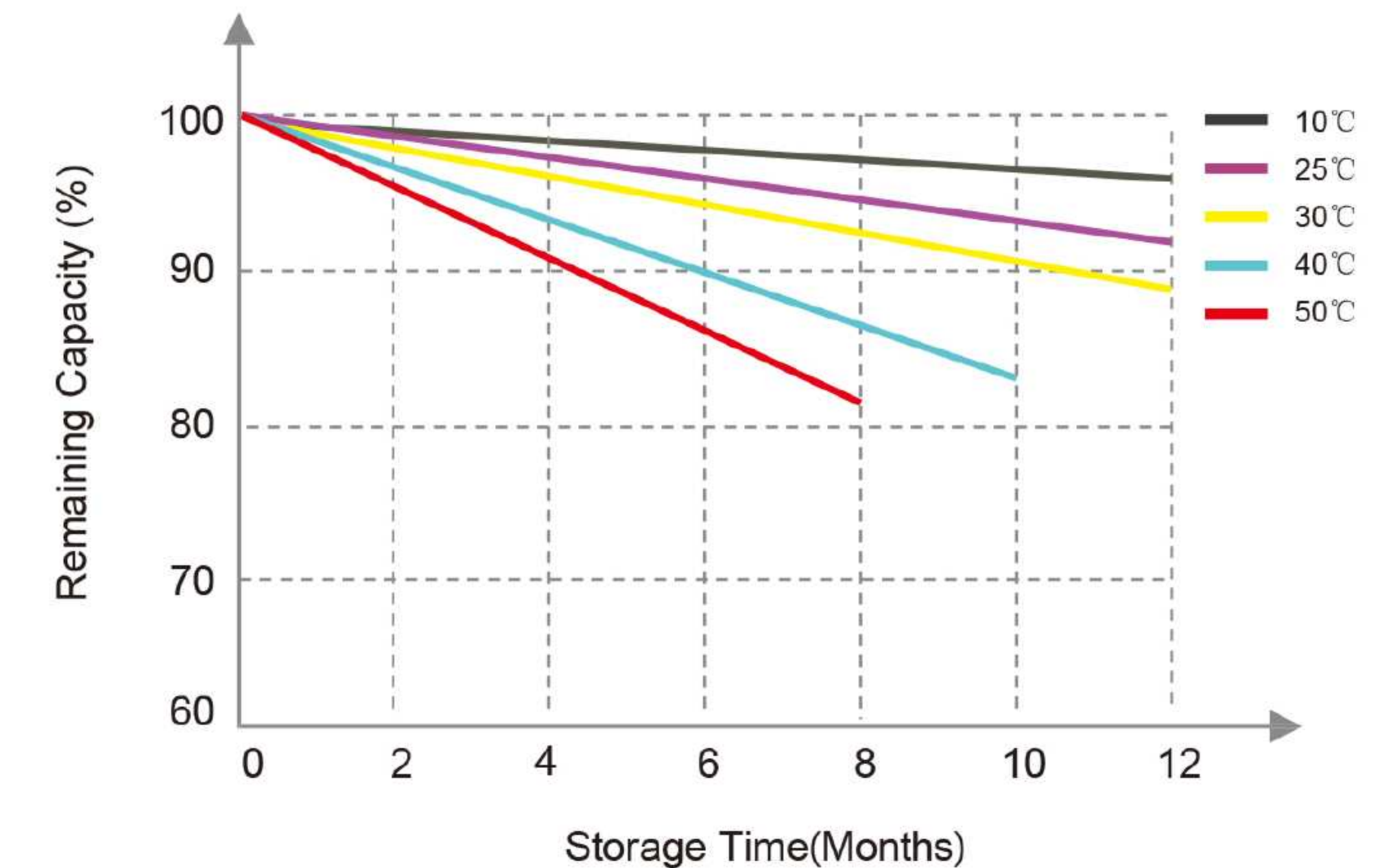
Charging Characteristics(0.2C, 25°C)



Different DOD Discharge Cycle Life Curve



Different Temperature Self Discharge Curve



Lithium Iron (LiFePO₄) Battery

ALFP-1218(12.8V 18Ah)

Features

Longer Cycle Life : Offer up to 10 times longer cycle life and five times longer float/calendar life than lead acid battery, helping it minimize replacement cost and reduce total cost of ownership.

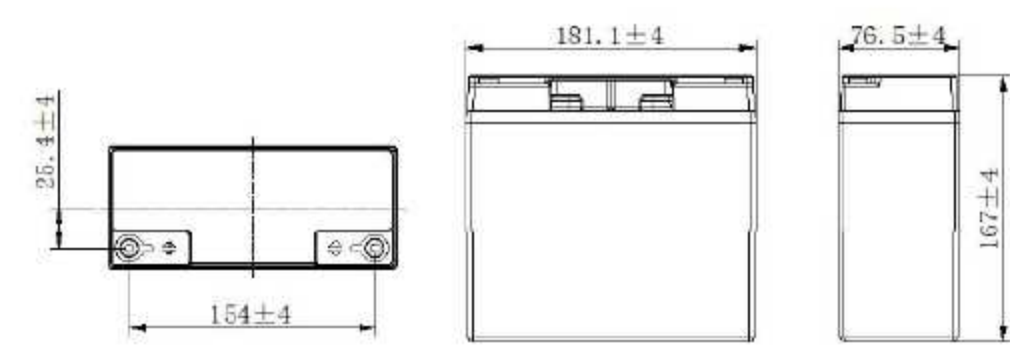
Lighter Weight : About 40% of the weight of a comparable lead acid battery. A'drop in' replacement for lead acid batteries.

Higher Power : Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

Wider Temperature Range : -20~60°C

Superior Safety : Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.

Dimension-mm



Application

- Solar/Wind energy Storage
- Golf cart
- Back-up Power for UPS/EPS
- Tools

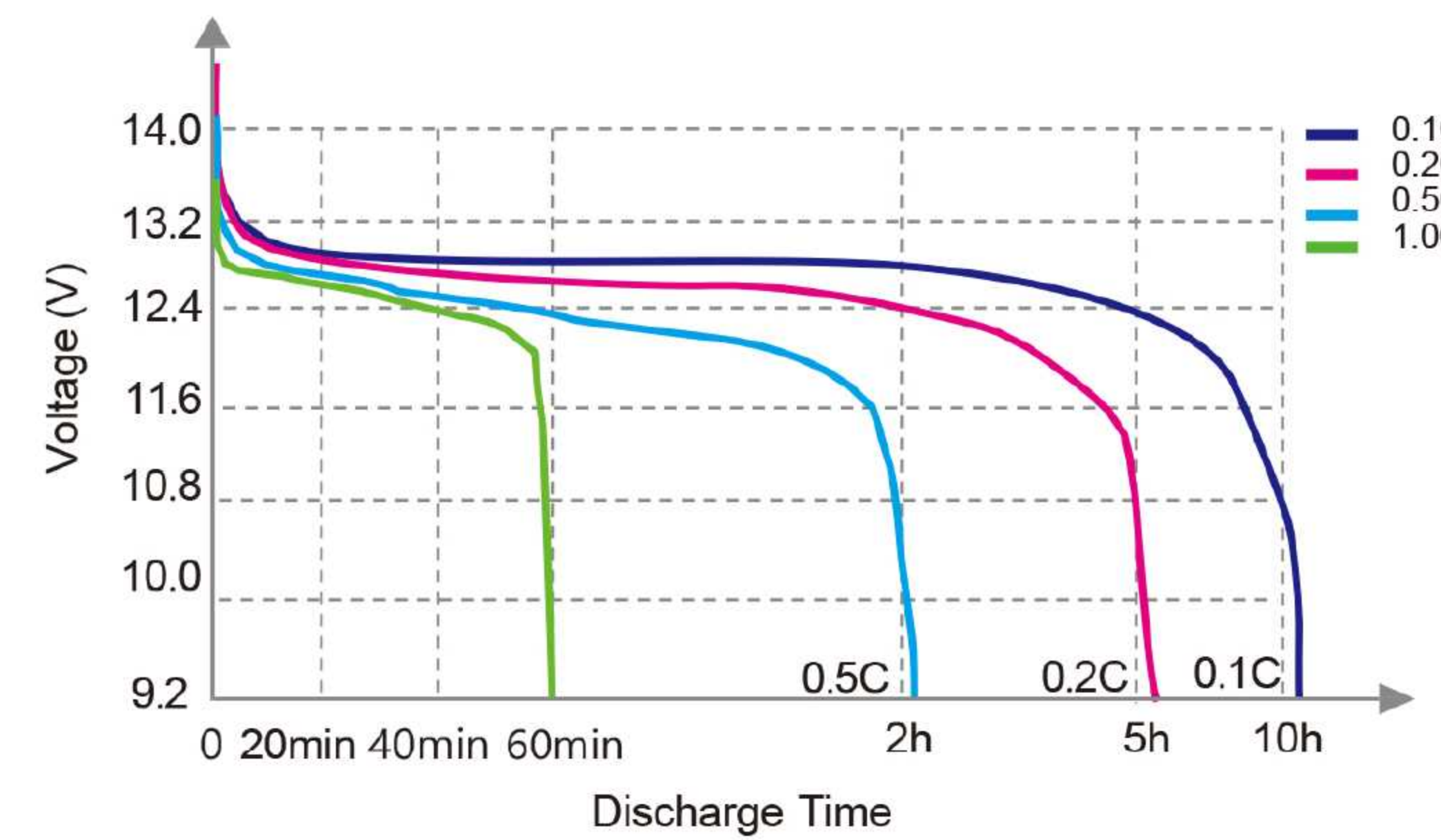
Specification

Basic Parameters	Rated Voltage	12.8V
	Rated Capacity	18Ah
	Rated Energy	230.4wh
	Internal Resistance (AC)	≤80mΩ
	Cycle Life	≥2000 cycles @80%DOD
	Self Discharge	1%/months
	Efficiency of Charge	≥97%
	Efficiency of Discharge	≥98%
Charge	Charge Voltage	14.2V
	Charge Current (Recomm.)	9A
	Charge Current (Max.)	18A
Discharge	Discharge Cut-off Voltage	10V
	Discharge Current (Max.)	18A
	Pulse Current	20A (3S)
Environment	Charge Temperature	0°C to 60°C
	Discharge Temperature	-20°C to 60°C
	Humidity	5% to 95%
Physical Characteristics	IP Class	IP30
	Terminal	M6
	Plastic Case	ABS
	Dimensions (mm)	181.1*76.5*167mm (±4mm)
	Weight (kg)	2.2kg
	Others(optional)	Bluetooth, Shell color, IP rating

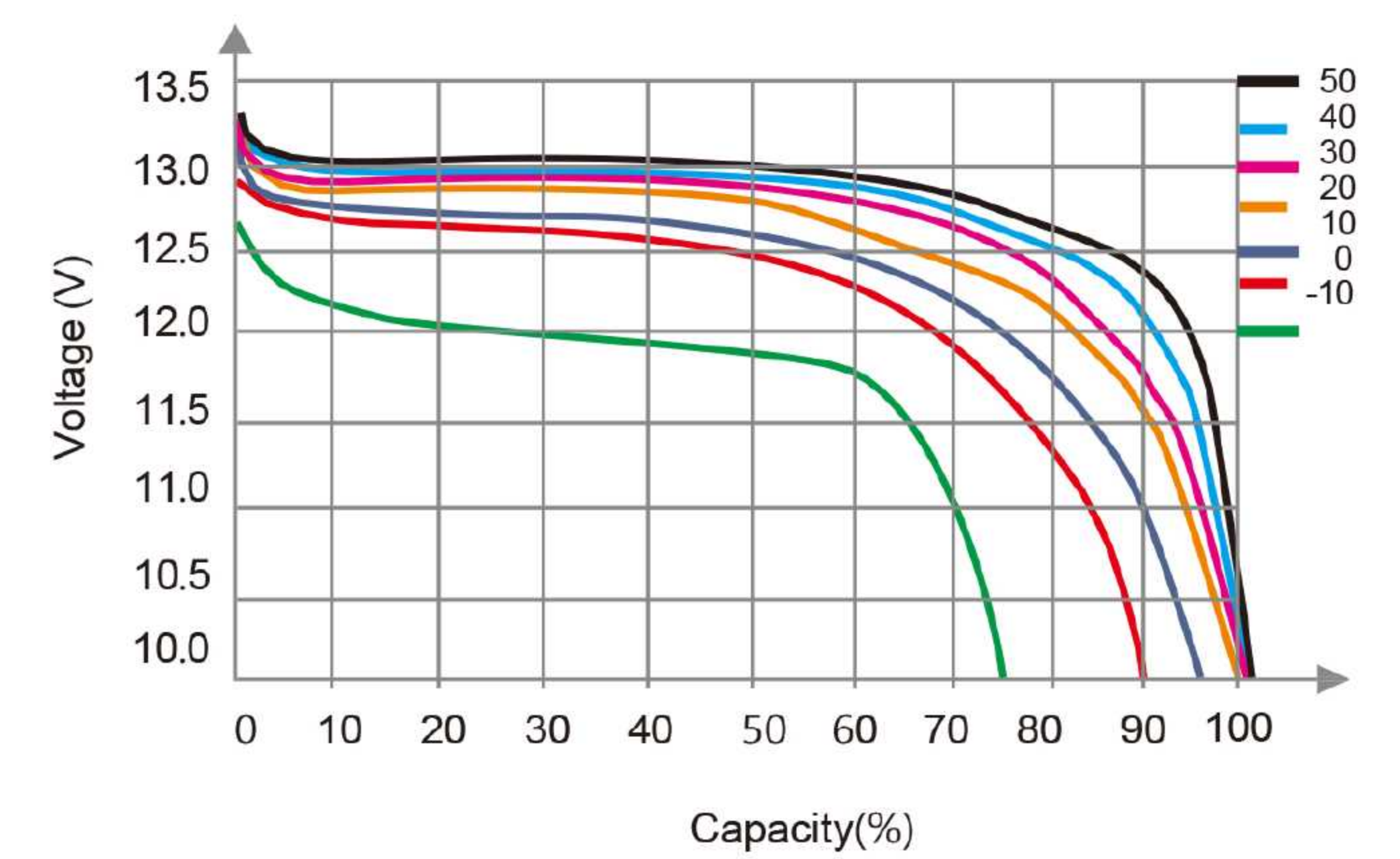
Lithium Iron (LiFePO₄) Battery

ALFP-1218(12.8V 18Ah)

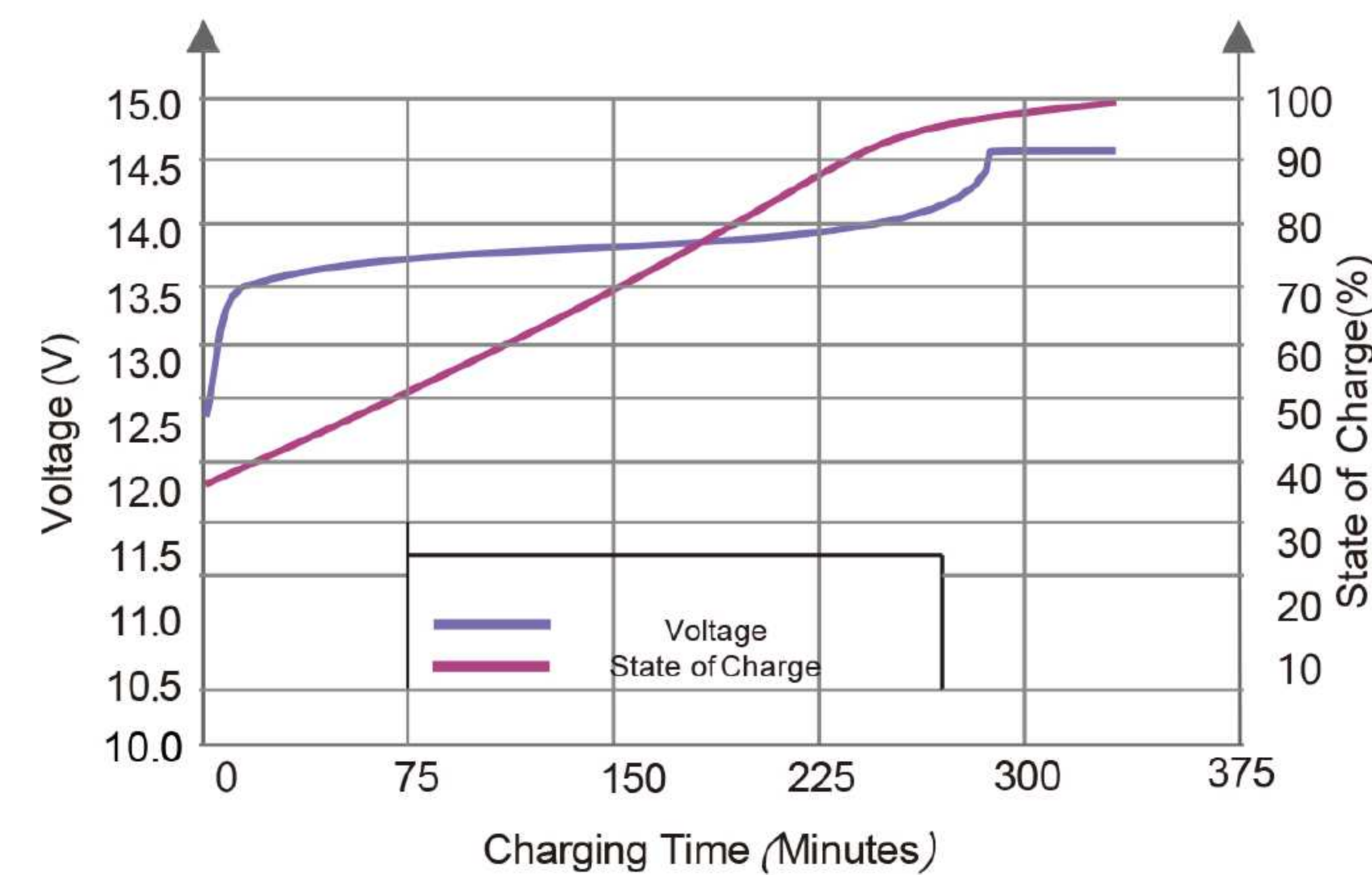
Different Rate Discharge Curve(25°C)



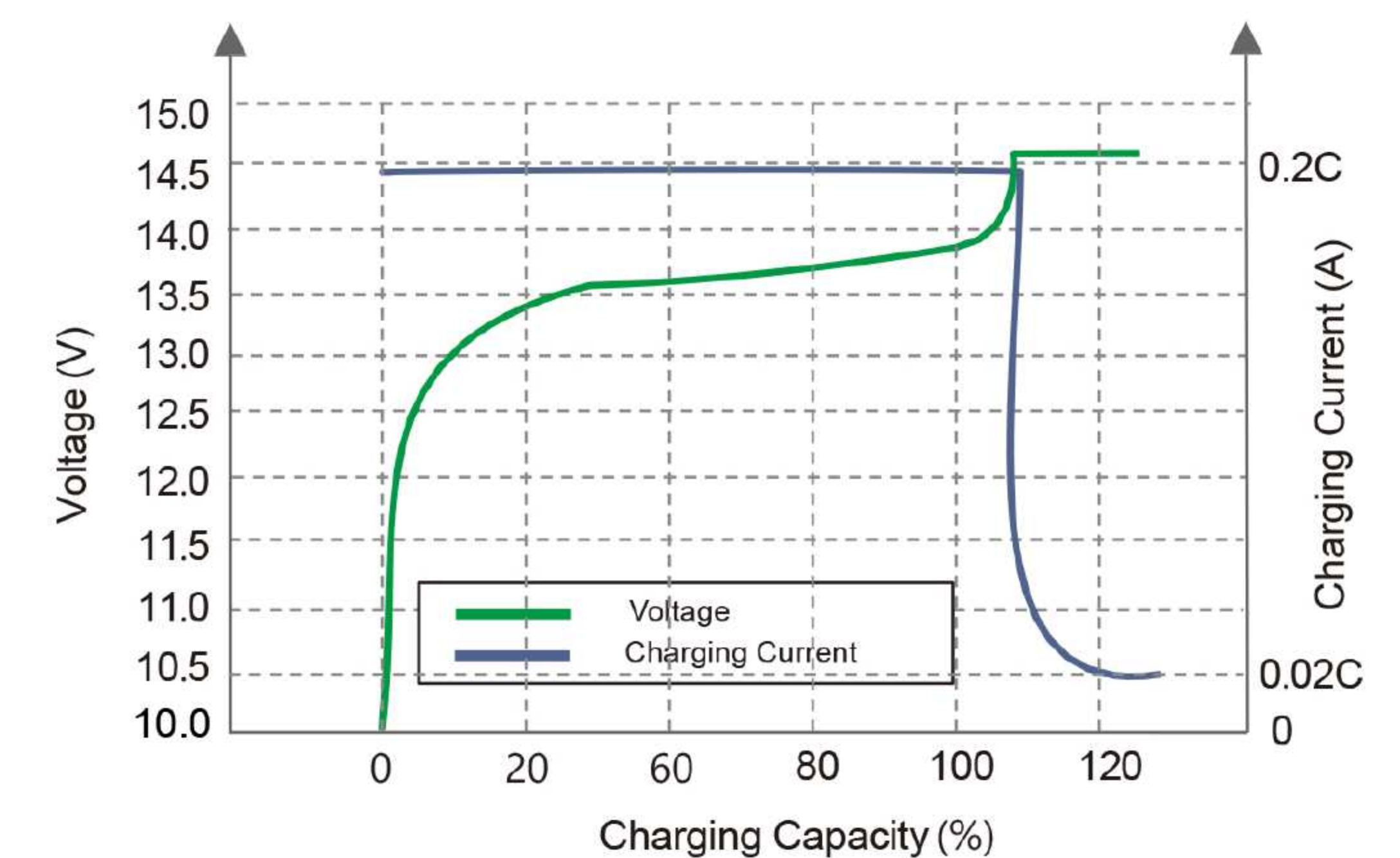
Different Temperature Discharge Curve(0.5C)



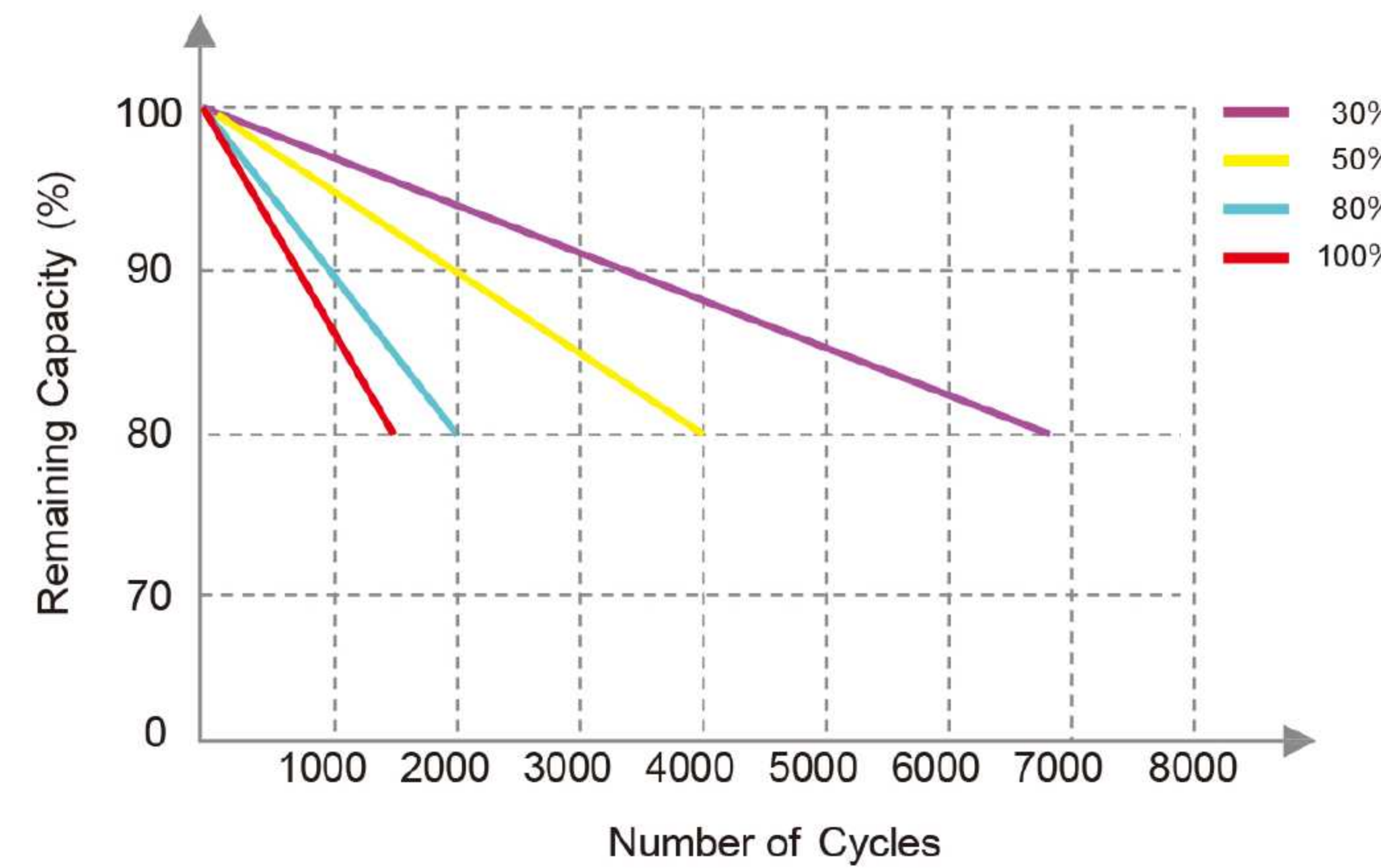
State of Charge Curve(0.2C, 25°C)



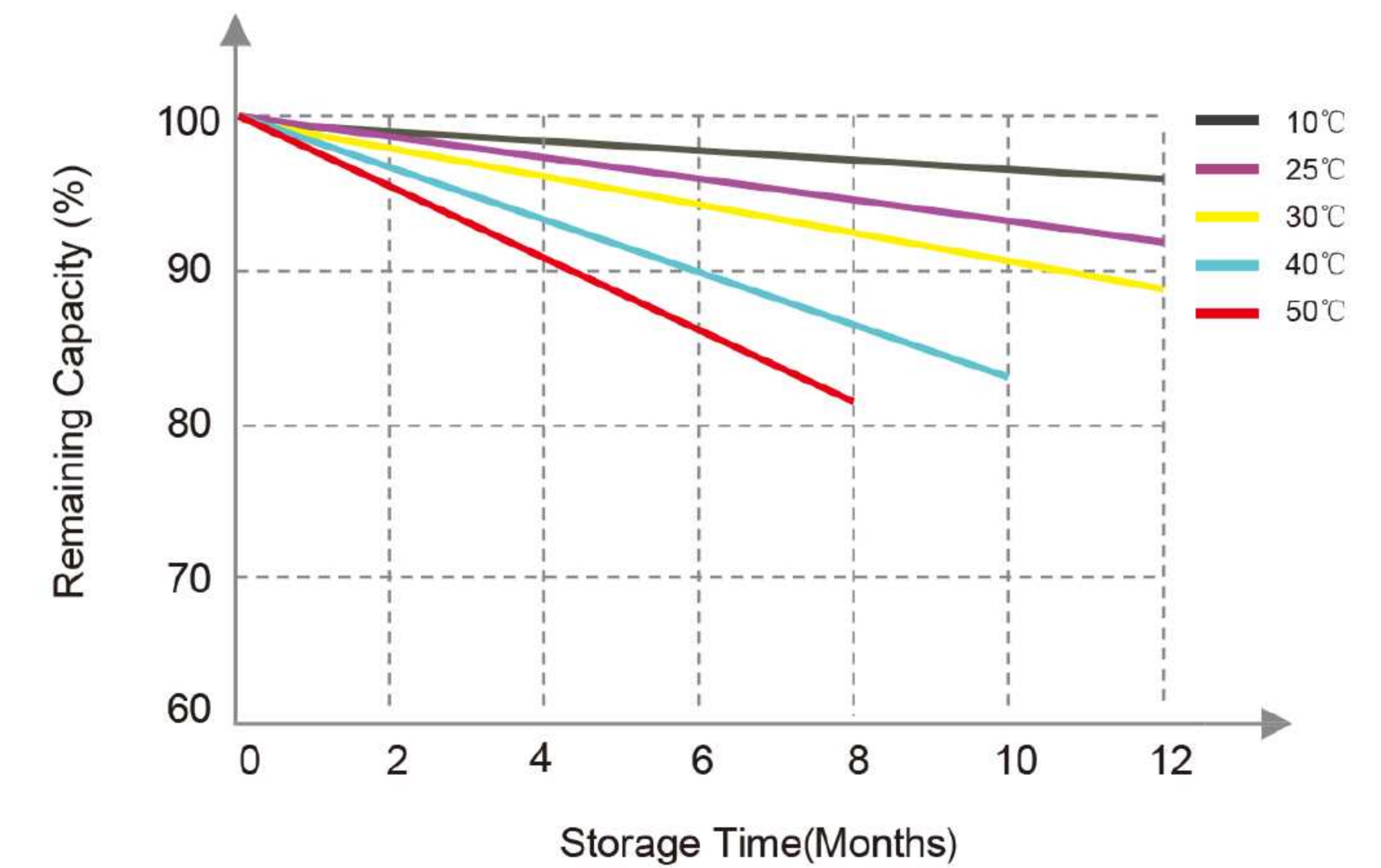
Charging Characteristics(0.2C, 25°C)



Different DOD Discharge Cycle Life Curve



Different Temperature Self Discharge Curve



Lithium Iron (LiFePO₄) Battery

ALFP-1250(12.8V 50Ah)

Features

Longer Cycle Life : Offer up to 10 times longer cycle life and five times longer float/calendar life than lead acid battery, helping it minimize replacement cost and reduce total cost of ownership.

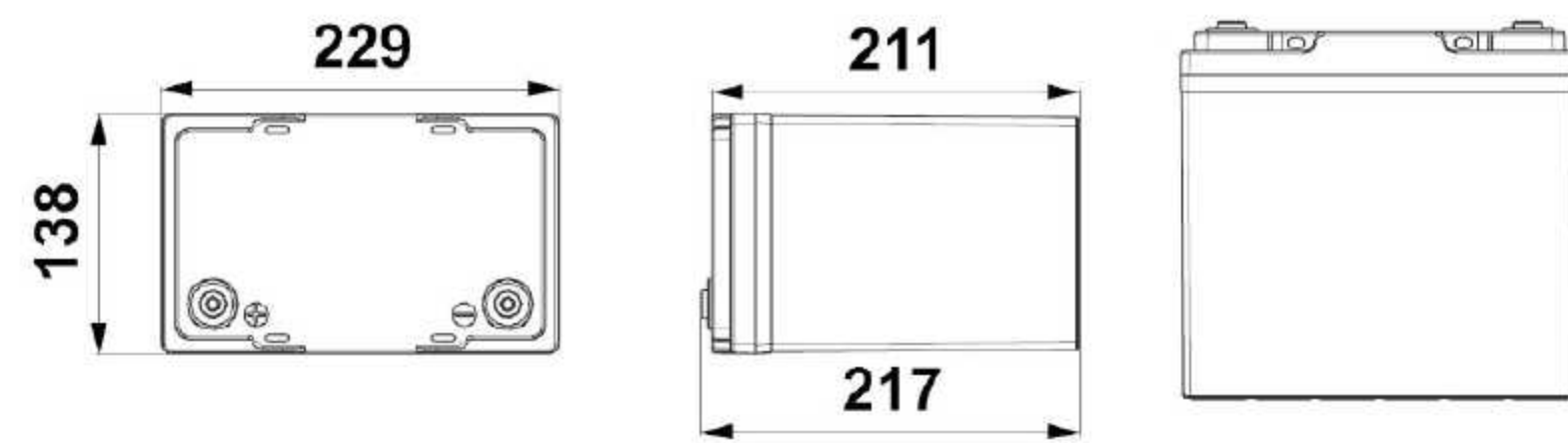
Lighter Weight : About 40% of the weight of a comparable lead acid battery. A'drop in' replacement for lead acid batteries.

Higher Power : Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

Wider Temperature Range : -20~60°C

Superior Safety : Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.

Dimension-mm



Application

- Solar/Wind energy Storage
- Golf cart
- Back-up Power for UPS/EPS
- Tools

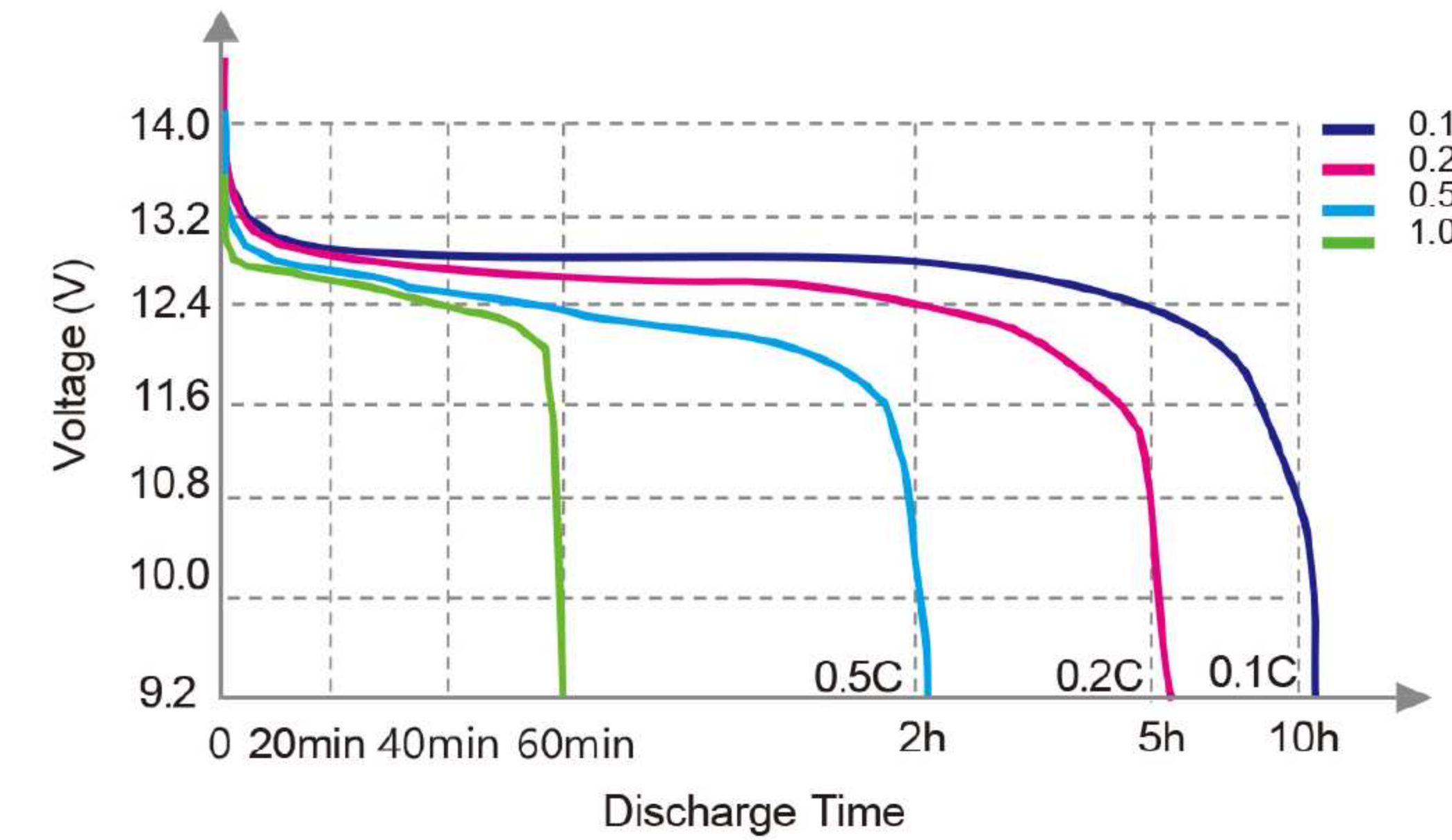
Specification

Basic Parameters	Rated Voltage	12.8V
	Rated Capacity	50Ah
	Rated Energy	640wh
	Combination Method	4S1P
	Cycle Life	≥3500 cycles @80%DOD
	Self Discharge	1%/months
	Efficiency of Charge	≥97%
	Efficiency of Discharge	≥98%
Charge	Charge Voltage	14.2V
	Charge Current (Recomm.)	25A
	Charge Current (Max.)	50A
Discharge	Discharge Cut-off Voltage	10V
	Discharge Current (Max.)	50A
	Pulse Current	60A (3S)
Environment	Charge Temperature	0°C to 60°C
	Discharge Temperature	-20°C to 60°C
	Humidity	5% to 95%
Physical Characteristics	IP Class	IP54
	Terminal	M8
	Plastic Case	ABS
	Dimensions (mm)	229*138*211mm (±4mm)
	Weight (kg)	5.0kg
	Others(optional)	Bluetooth, Shell color, IP rating

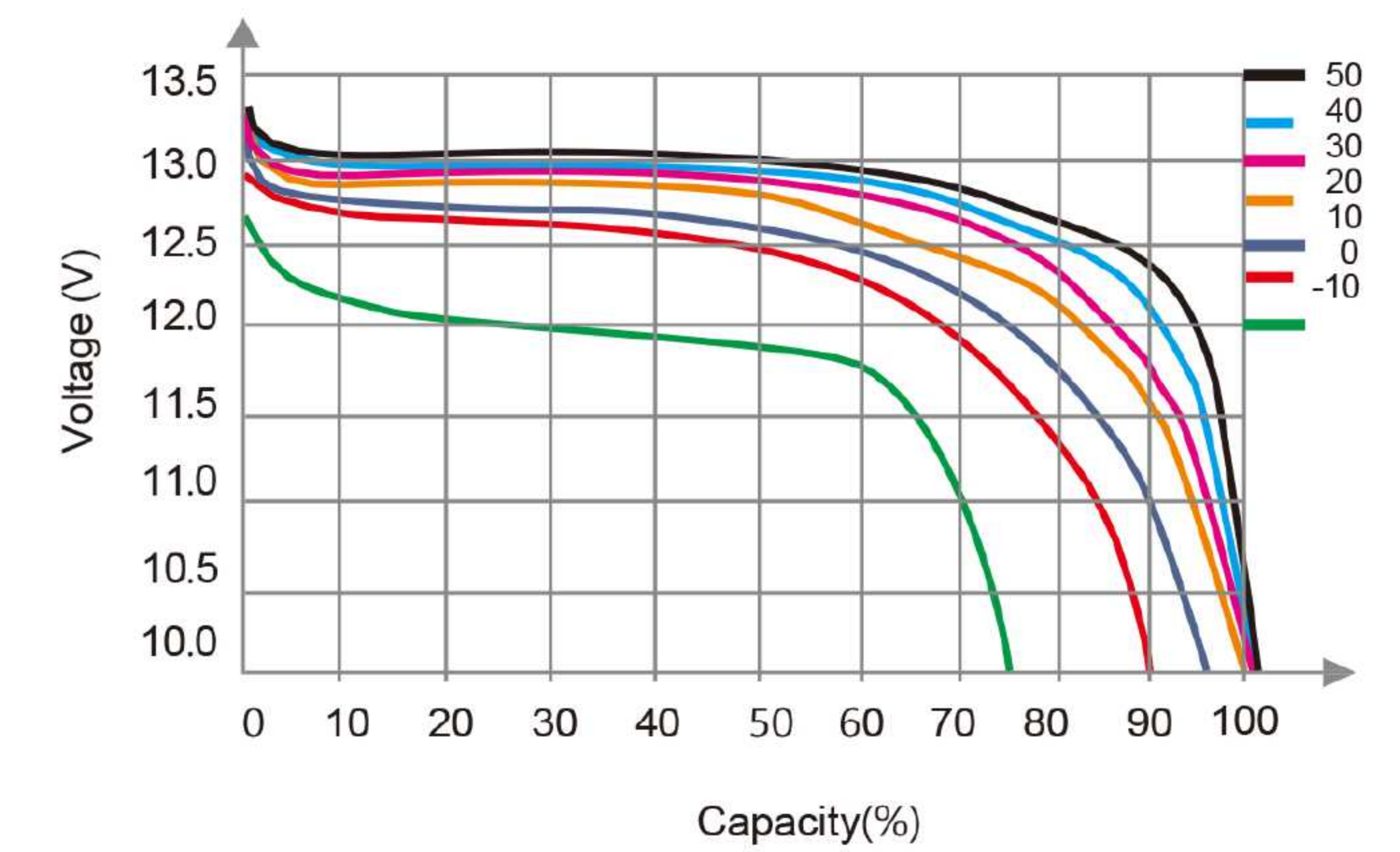
Lithium Iron (LiFePO₄) Battery

ALFP-1250(12.8V 50Ah)

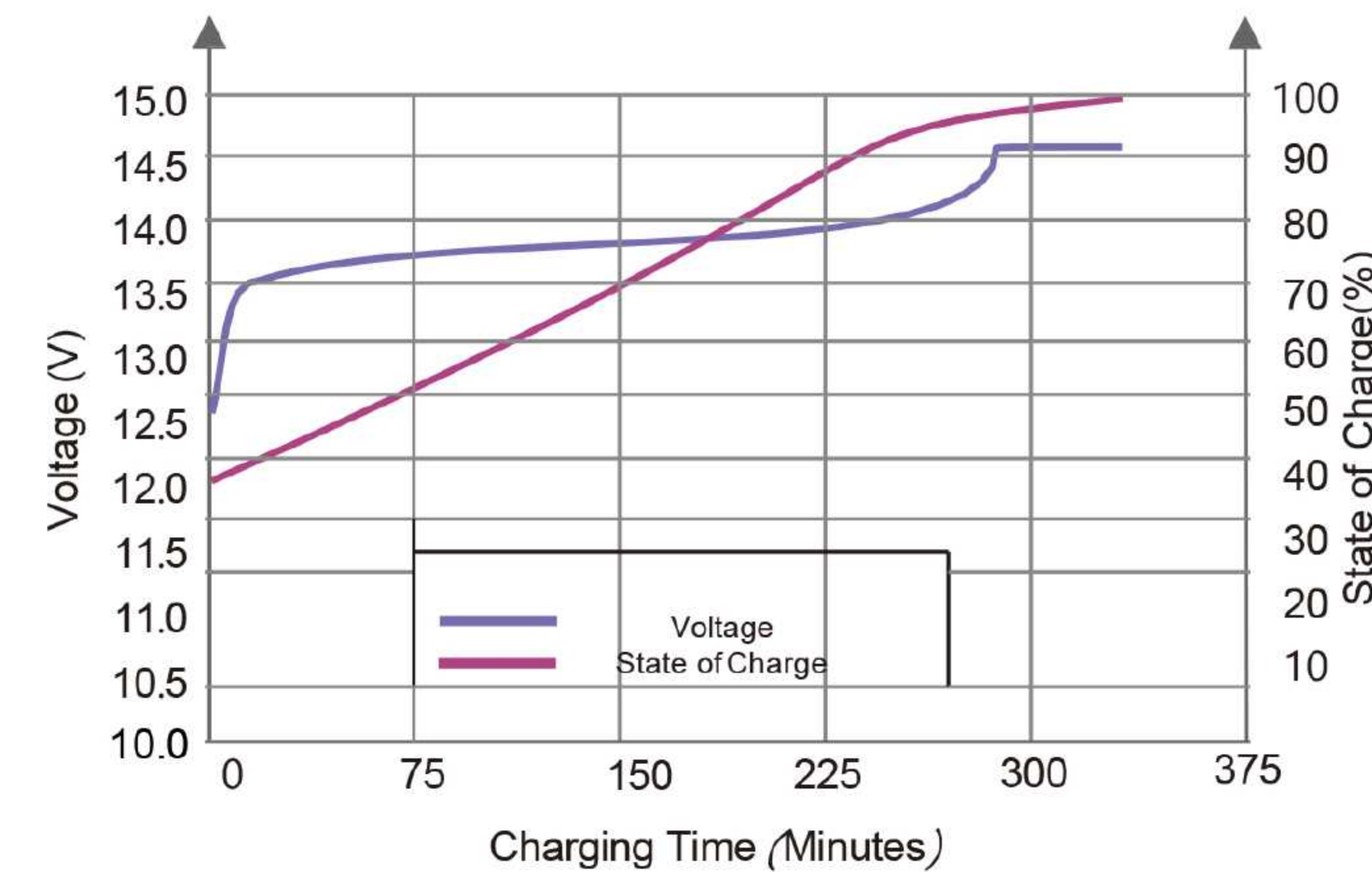
Different Rate Discharge Curve(25°C)



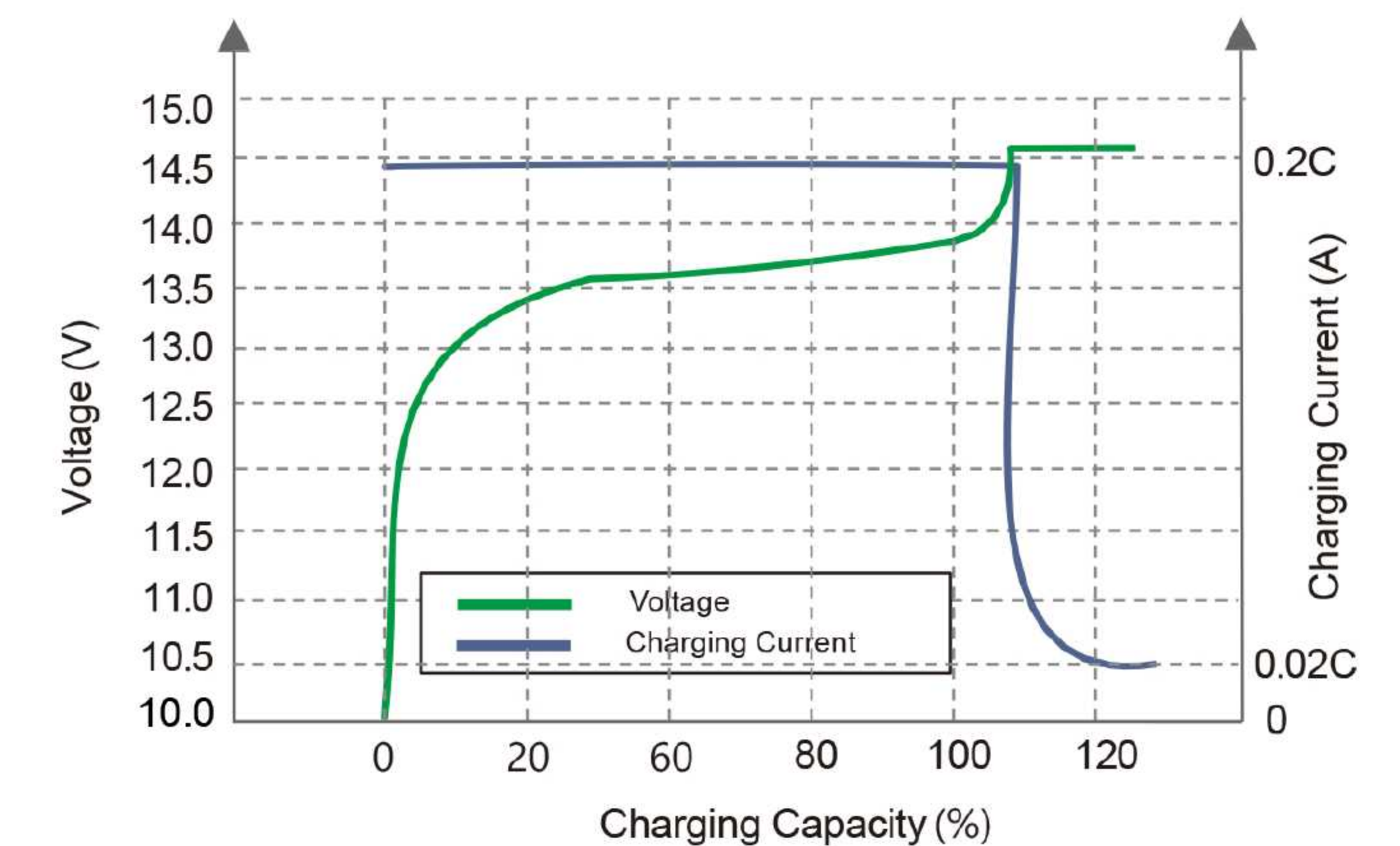
Different Temperature Discharge Curve(0.5C)



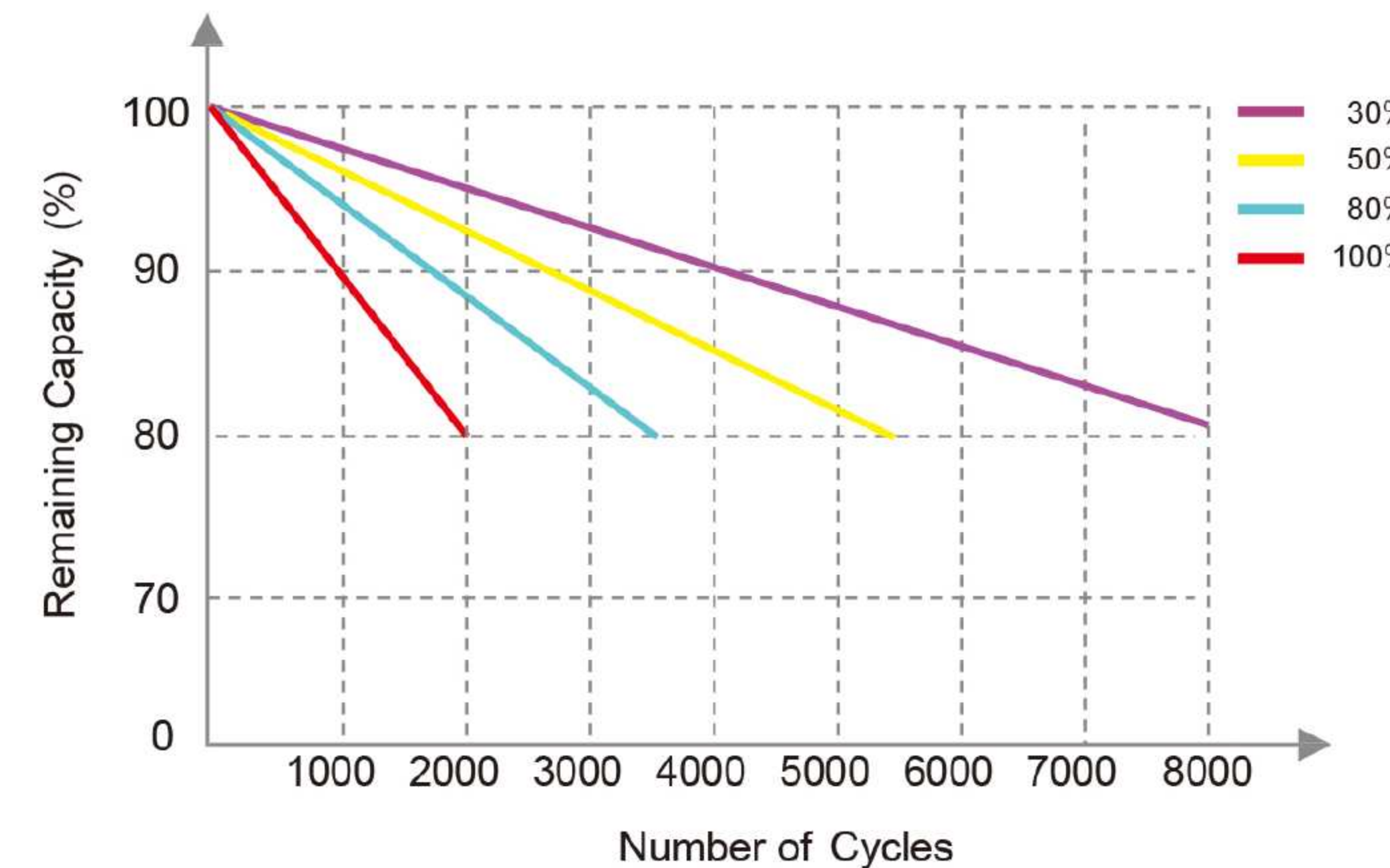
State of Charge Curve(0.2C, 25°C)



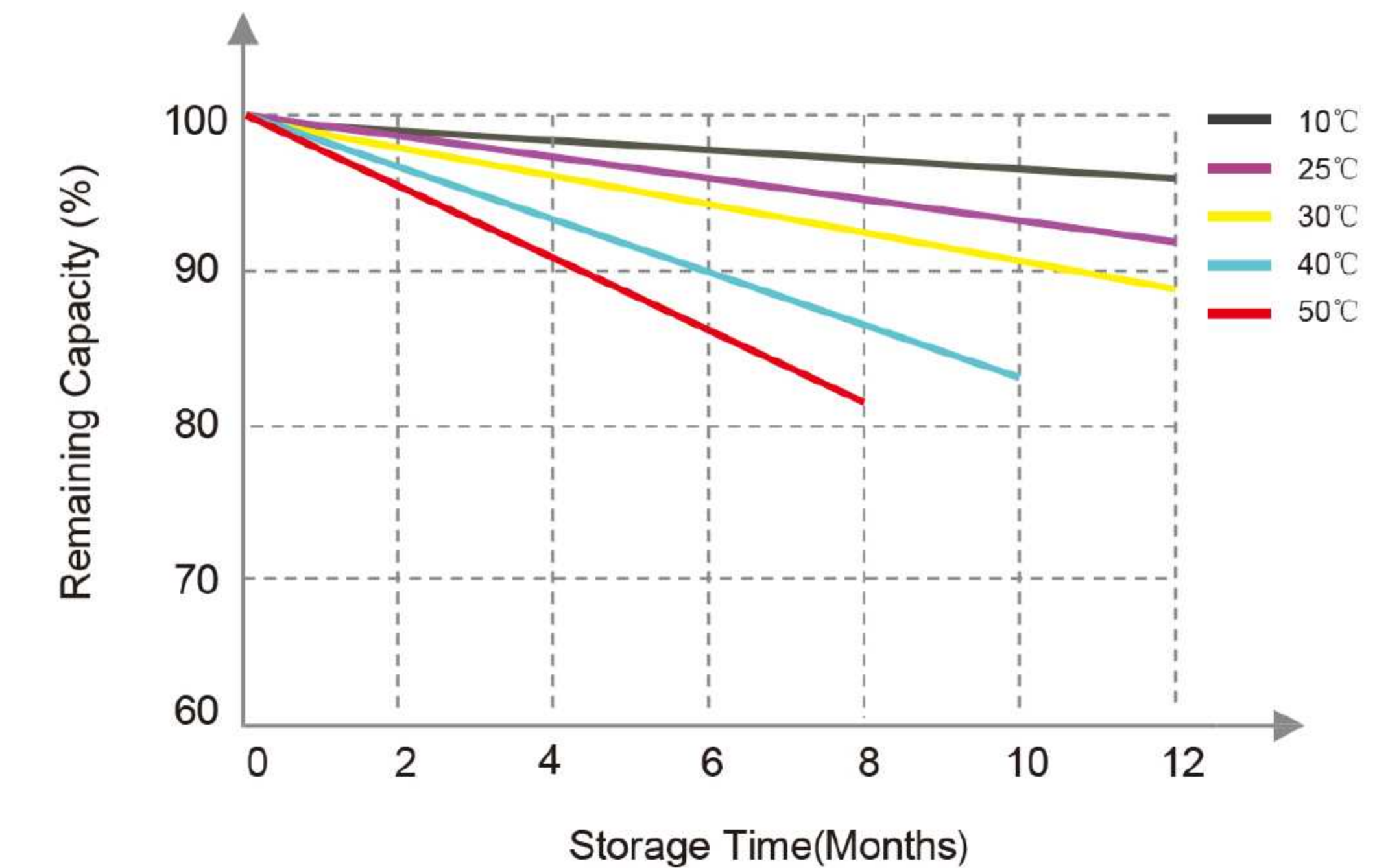
Charging Characteristics(0.2C, 25°C)



Different DOD Discharge Cycle Life Curve



Different Temperature Self Discharge Curve



Lithium Iron (LiFePO₄) Battery

ALFP-1260(12.8V 60Ah)



Features

Longer Cycle Life : Offer up to 10 times longer cycle life and five times longer float/calendar life than lead acid battery, helping it minimize replacement cost and reduce total cost of ownership.

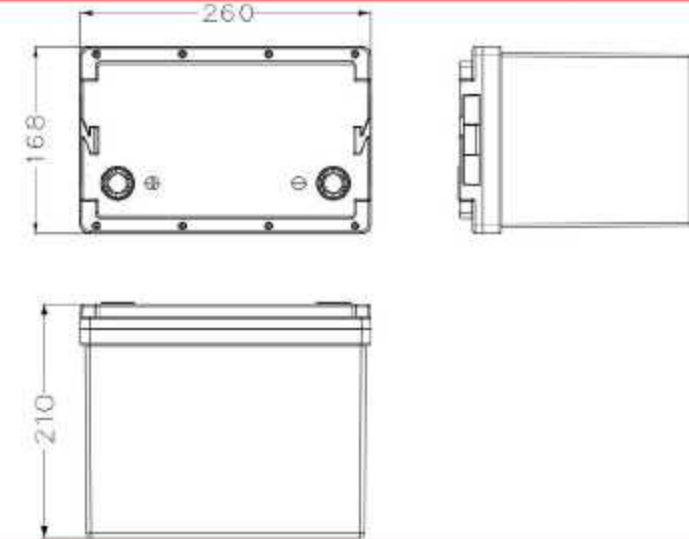
Lighter Weight : About 40% of the weight of a comparable lead acid battery. A'drop in' replacement for lead acid batteries.

Higher Power : Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

Wider Temperature Range : -20~60°C

Superior Safety : Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.

Dimension-mm



Application

- Solar/Wind energy Storage
- Golf cart
- Back-up Power for UPS/EPS
- Tools

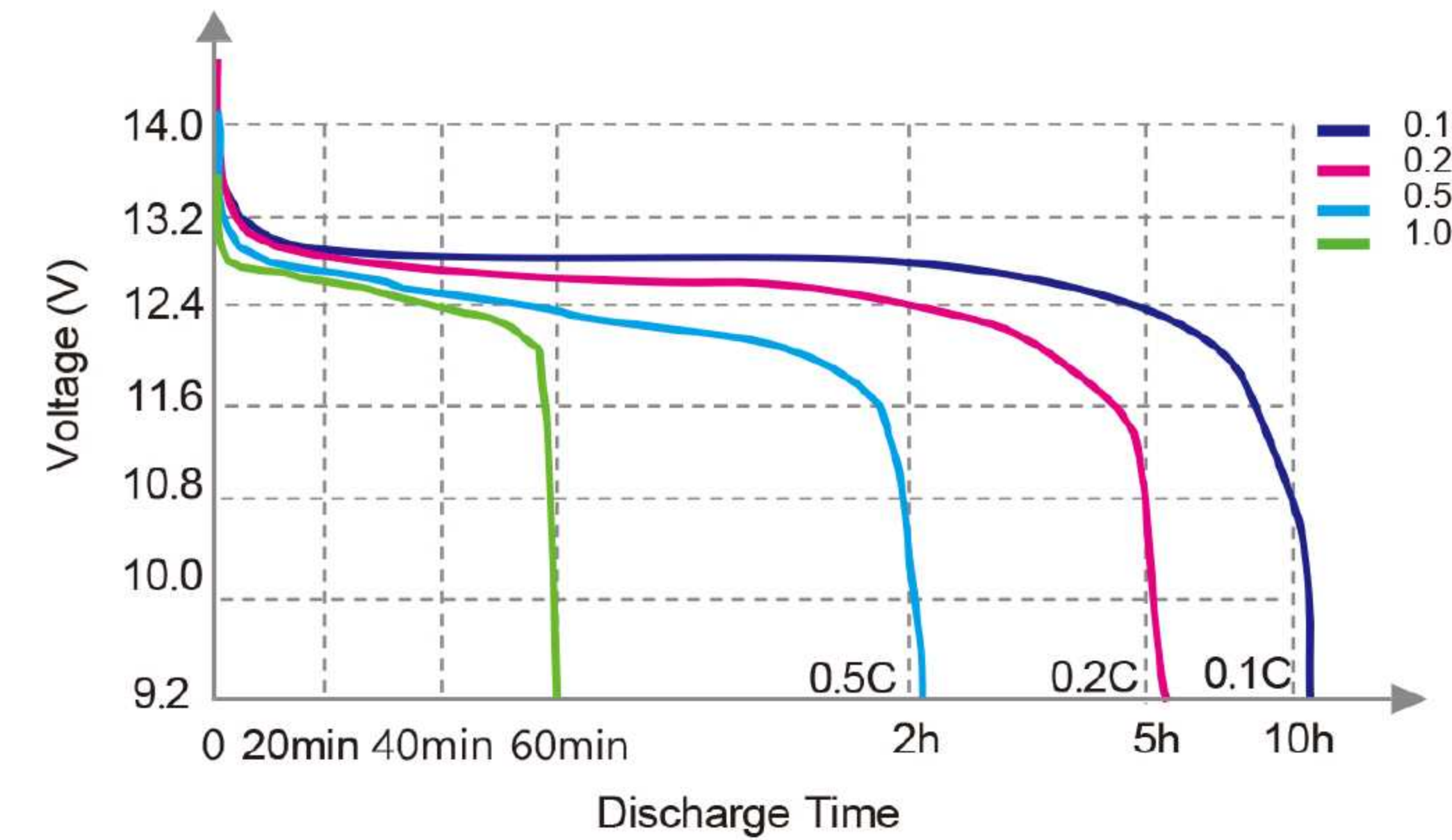
Specification

Basic Parameters	Rated Voltage	12.8V
	Rated Capacity	60Ah
	Rated Energy	768wh
	Combination Method	4S3P
	Cycle Life	≥3500 cycles @80%DOD
	Self Discharge	1%/months
	Efficiency of Charge	≥97%
	Efficiency of Discharge	≥98%
Charge	Charge Voltage	14.2V
	Charge Current (Recomm.)	30A
	Charge Current (Max.)	60A
Discharge	Discharge Cut-off Voltage	10V
	Discharge Current (Max.)	60A
	Pulse Current	90A (3S)
Environment	Charge Temperature	0°C to 60°C
	Discharge Temperature	-20°C to 60°C
	Humidity	5% to 95%
Physical Characteristics	IP Class	IP54
	Terminal	M8
	Plastic Case	ABS
	Dimensions (mm)	260*168*210mm (±4mm)
	Weight (kg)	6.9kg
	Others(optional)	Bluetooth, Shell color, IP rating

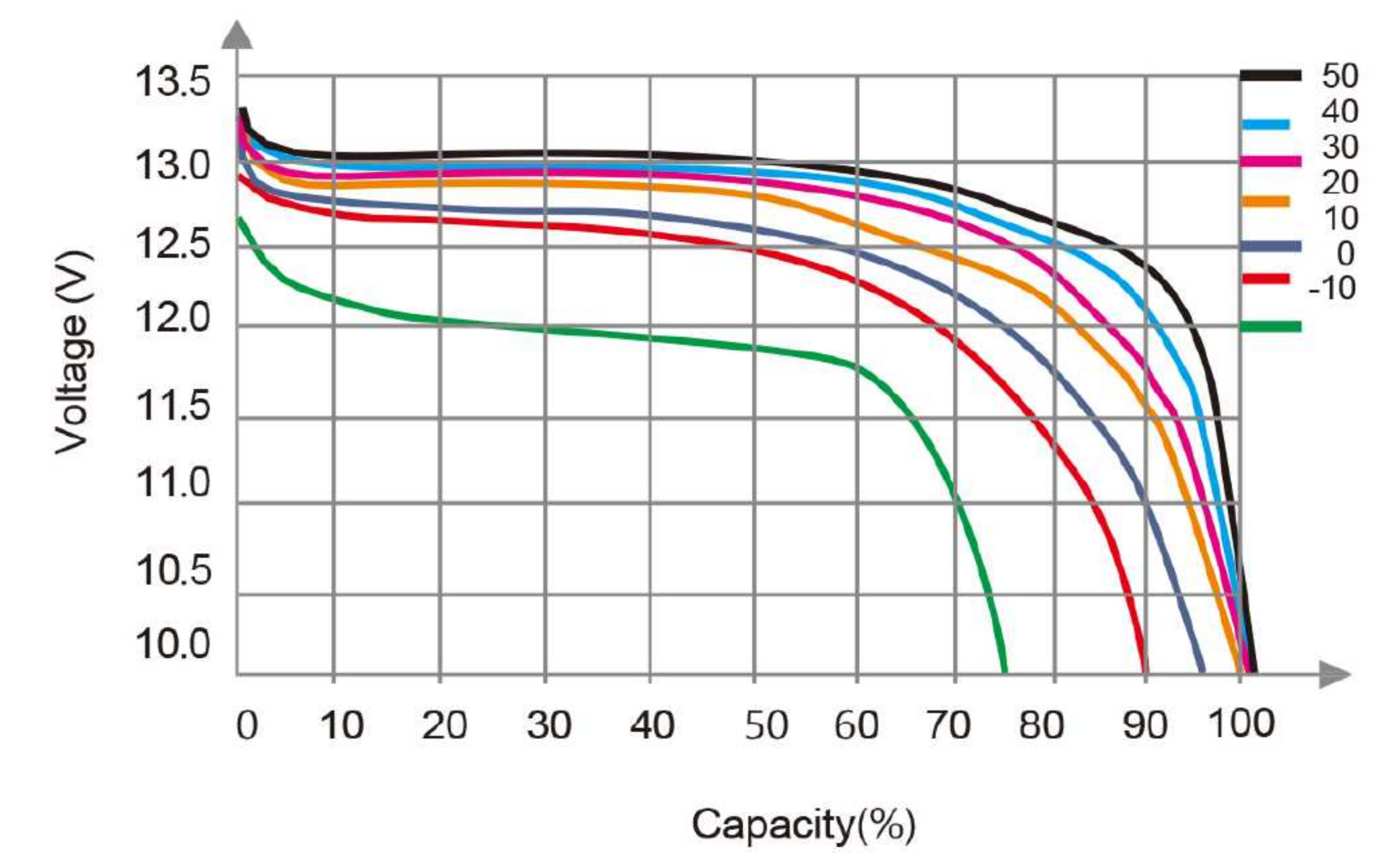
Lithium Iron (LiFePO₄) Battery

ALFP-1260(12.8V 60Ah)

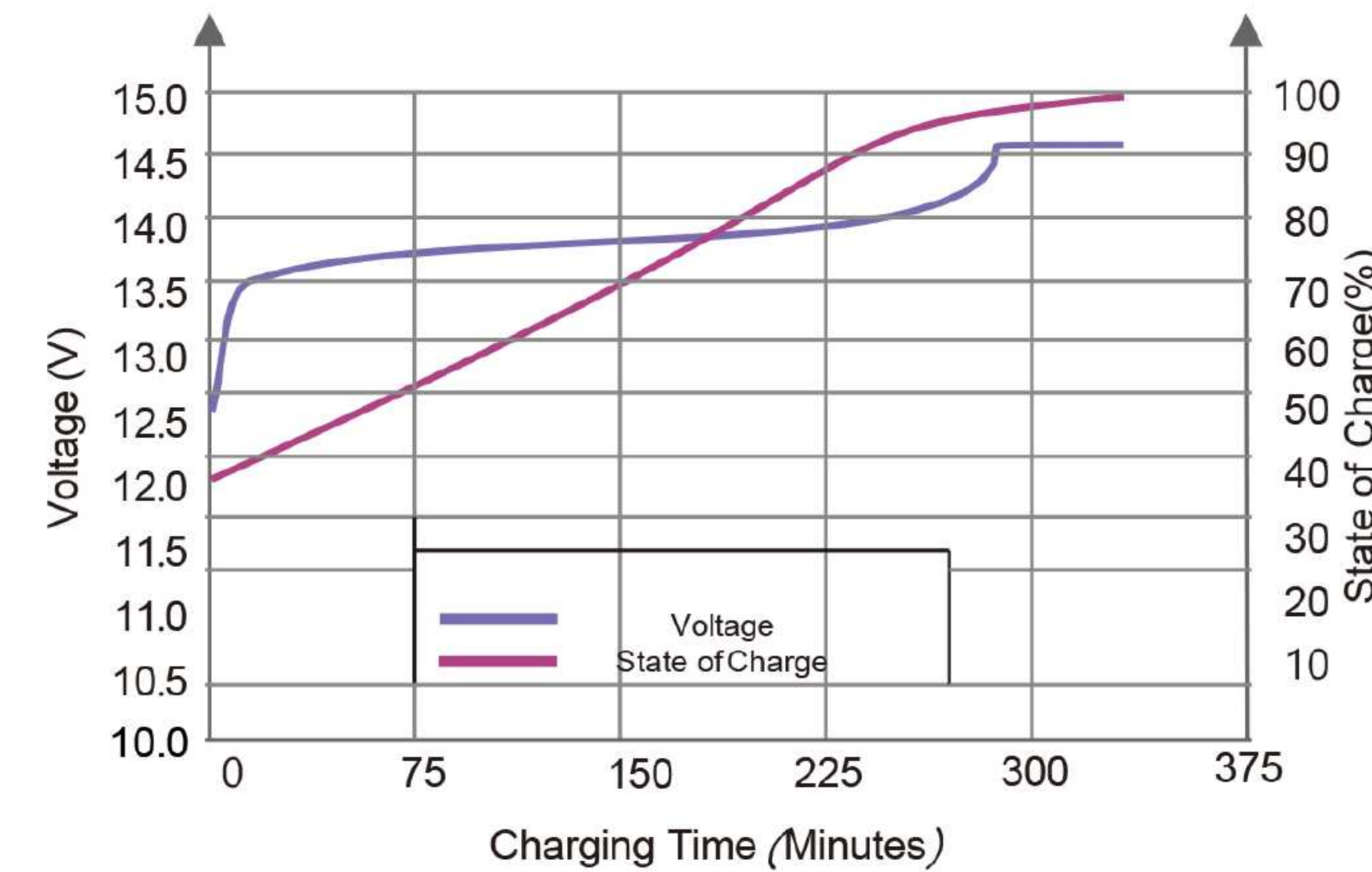
Different Rate Discharge Curve(25°C)



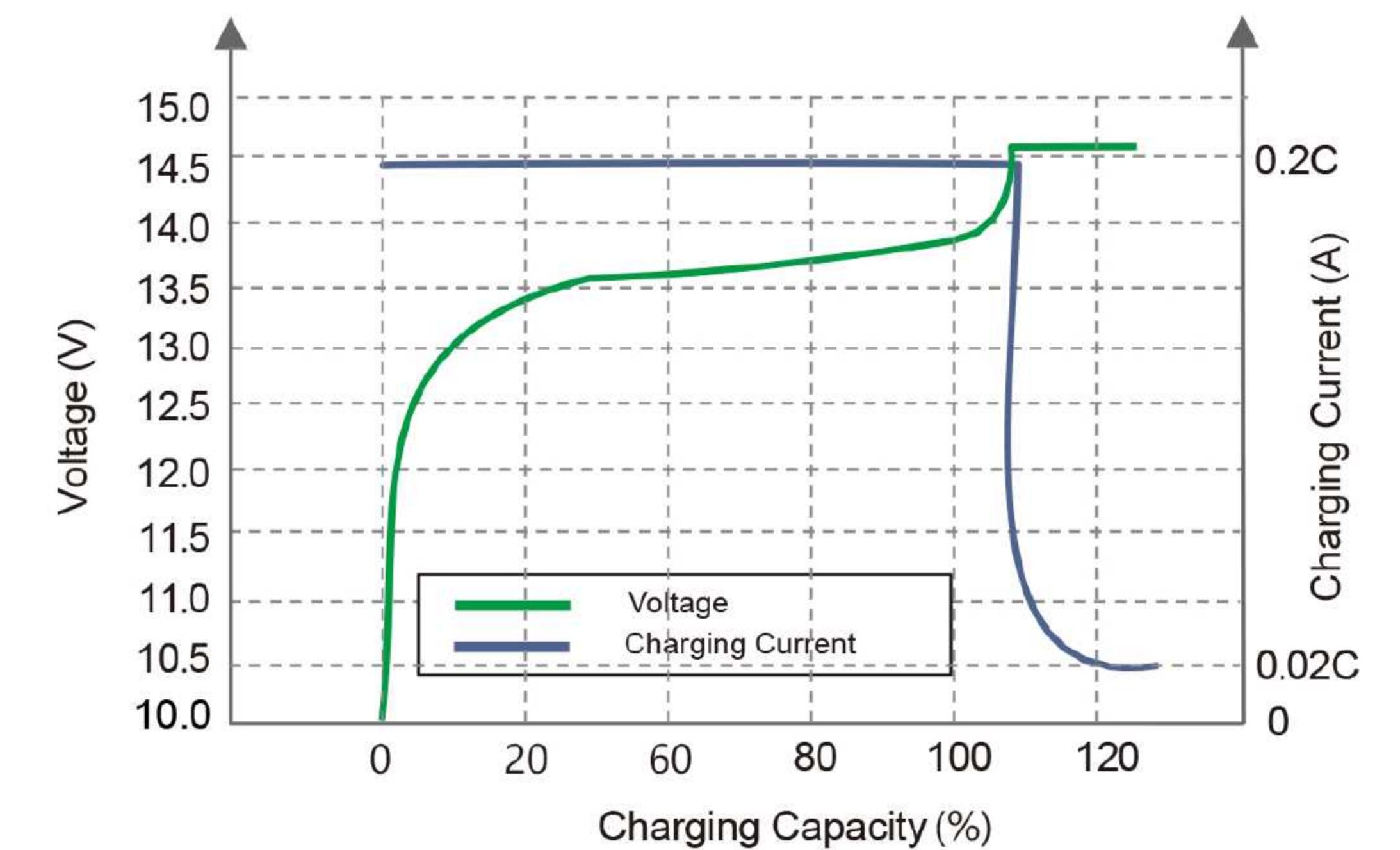
Different Temperature Discharge Curve(0.5C)



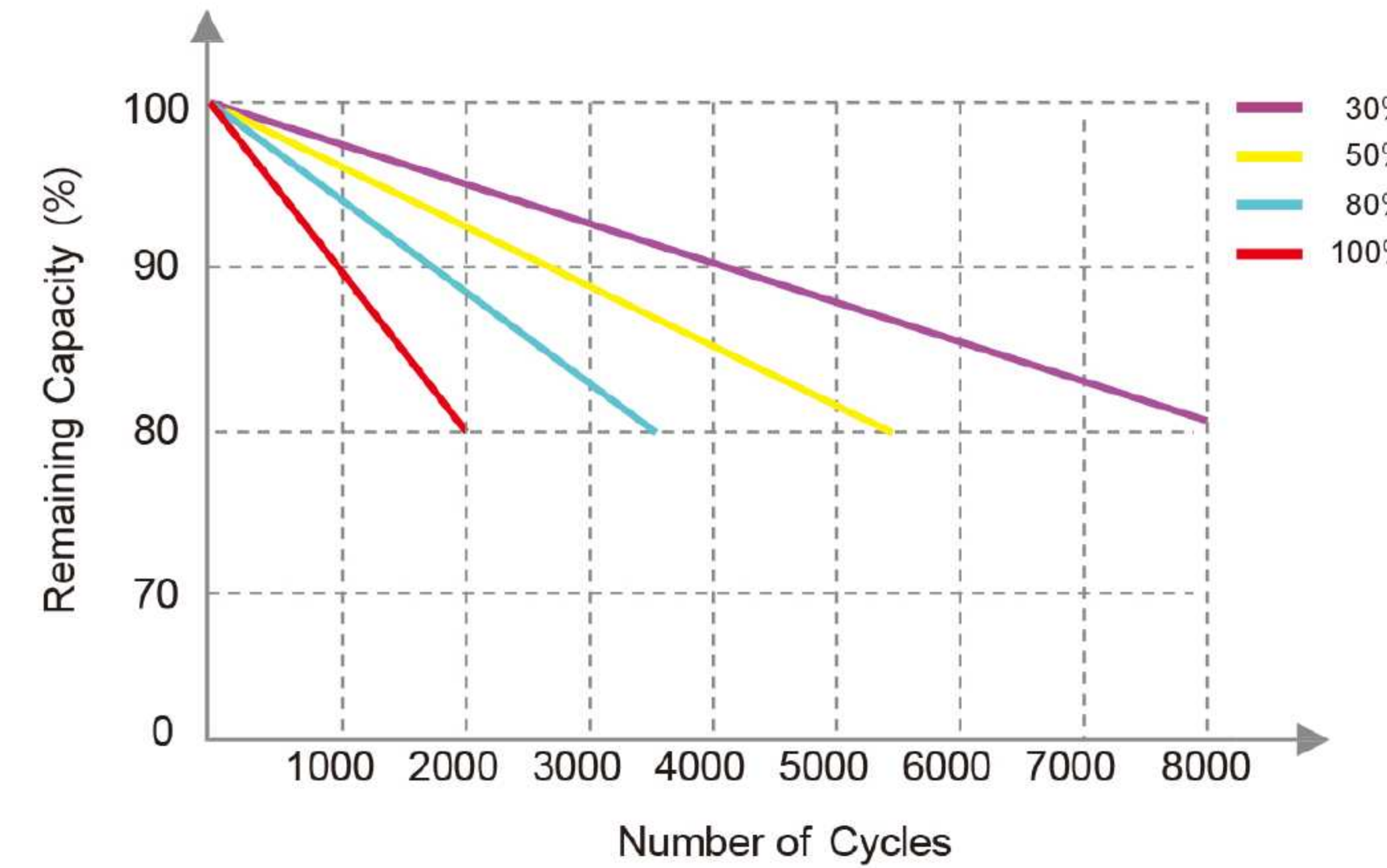
State of Charge Curve(0.2C, 25°C)



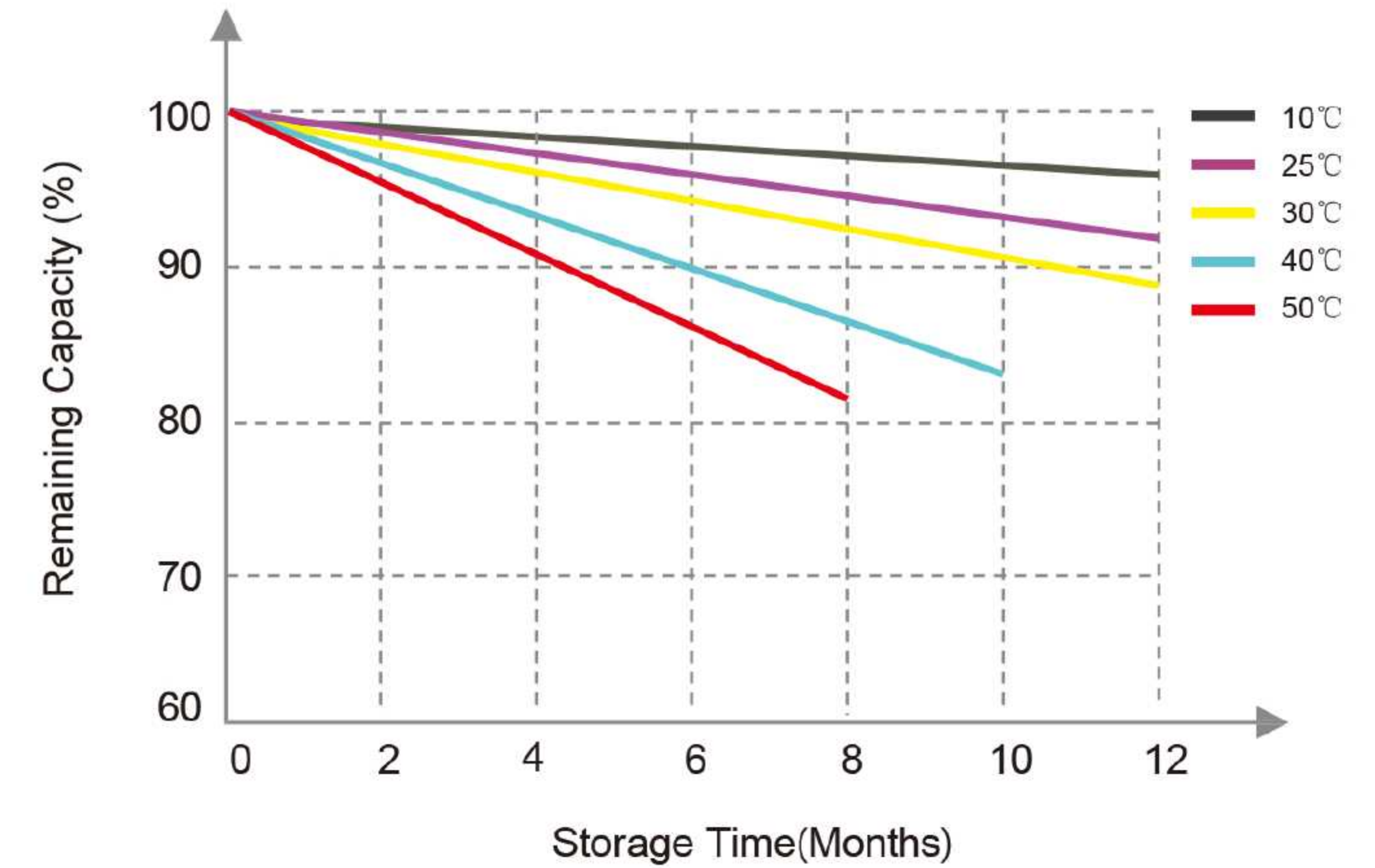
Charging Characteristics(0.2C, 25°C)



Different DOD Discharge Cycle Life Curve



Different Temperature Self Discharge Curve



Lithium Iron (LiFePO₄) Battery

ALFP-12100(12.8V 100Ah)

Features

Longer Cycle Life : Offer up to 10 times longer cycle life and five times longer float/calendar life than lead acid battery, helping it minimize replacement cost and reduce total cost of ownership.

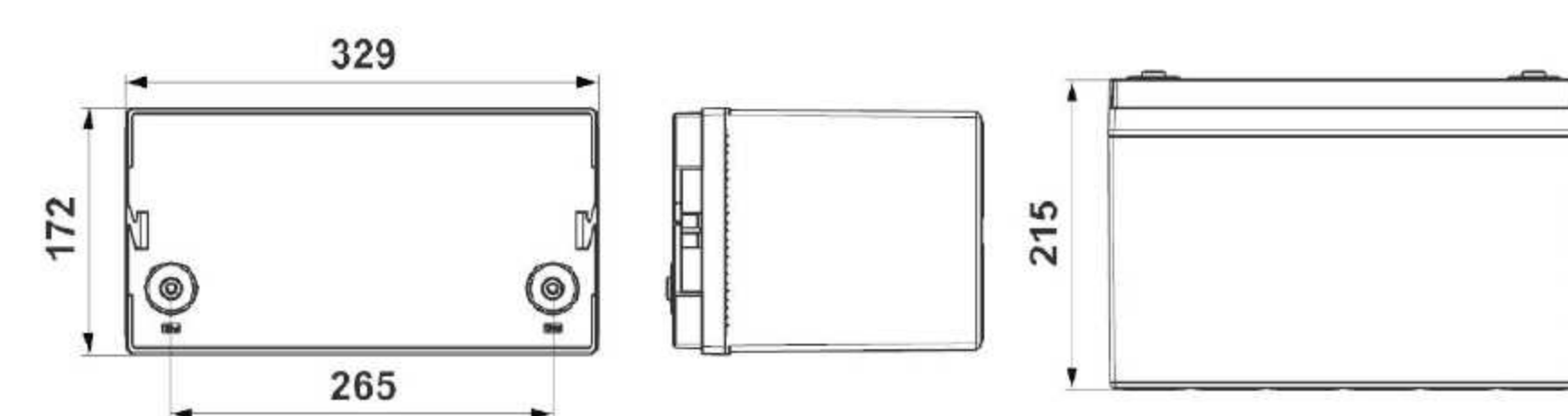
Lighter Weight : About 40% of the weight of a comparable lead acid battery. A drop in replacement for lead acid batteries.

Higher Power : Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

Wider Temperature Range : -20~60°C

Superior Safety : Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.

Dimension-mm



Application

- Solar/Wind energy Storage
- Golf cart
- Back-up Power for UPS/EPS
- Tools

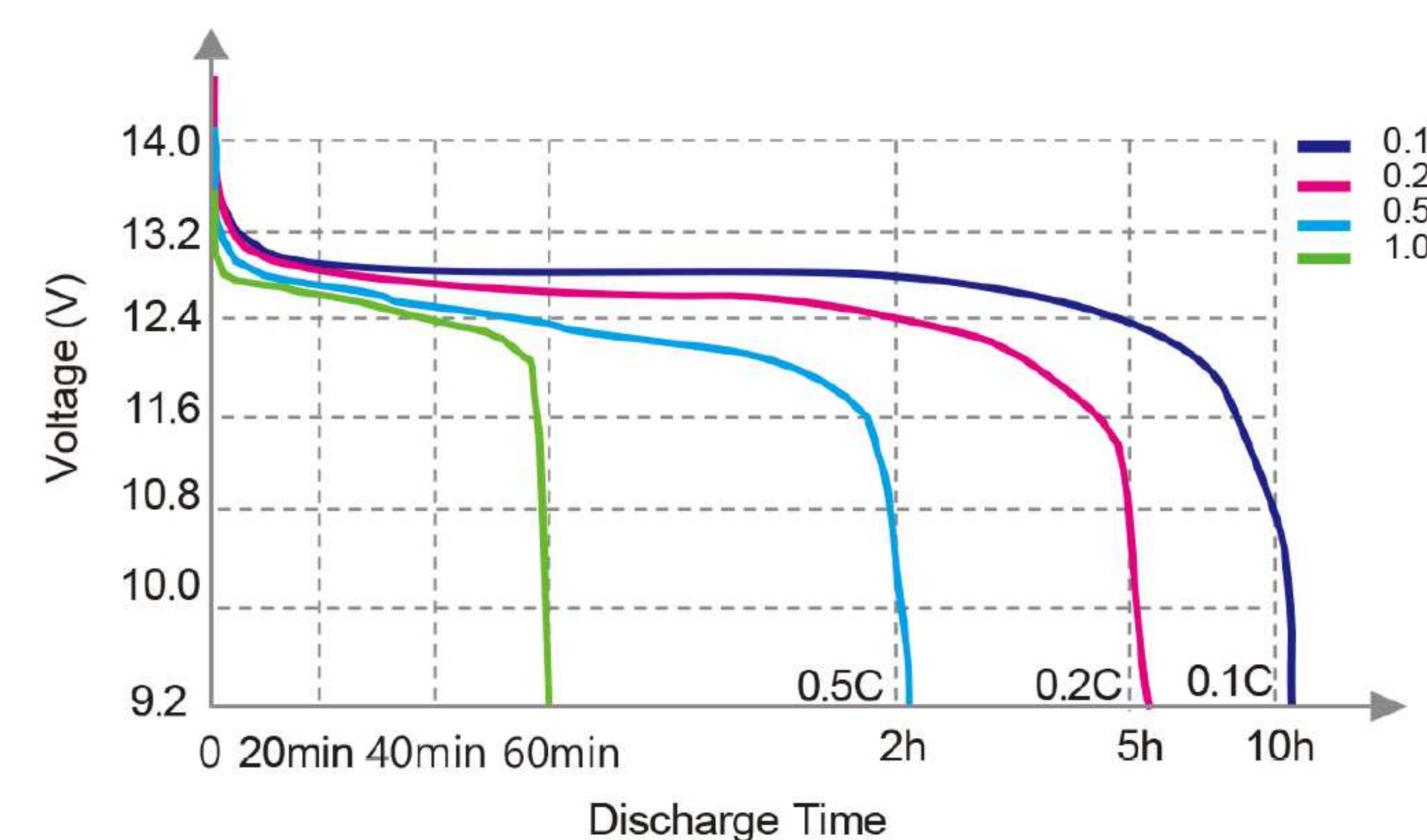
Specification

Basic Parameters	Rated Voltage	12.8V
	Rated Capacity	100Ah
	Rated Energy	1280wh
	Internal Resistance (AC)	≤80mΩ
	Cycle Life	≥3500 cycles @80%DOD
	Self Discharge	1%/months
	Efficiency of Charge	≥97%
	Efficiency of Discharge	≥98%
Charge	Charge Voltage	14.6V
	Charge Current (Recomm.)	20A
	Charge Current (Max.)	100A
Discharge	Discharge Cut-off Voltage	10V
	Discharge Current (Max.)	100A
	Pulse Current	120A (3S)
Environment	Charge Temperature	0°C to 60°C
	Discharge Temperature	-20°C to 60°C
	Humidity	5% to 95%
Physical Characteristics	IP Class	IP30
	Terminal	M8
	Plastic Case	ABS
	Dimensions (mm)	329*172*215mm (±4mm)
	Weight (kg)	10.5kg
	Others(optional)	Bluetooth, Shell color, IP rating

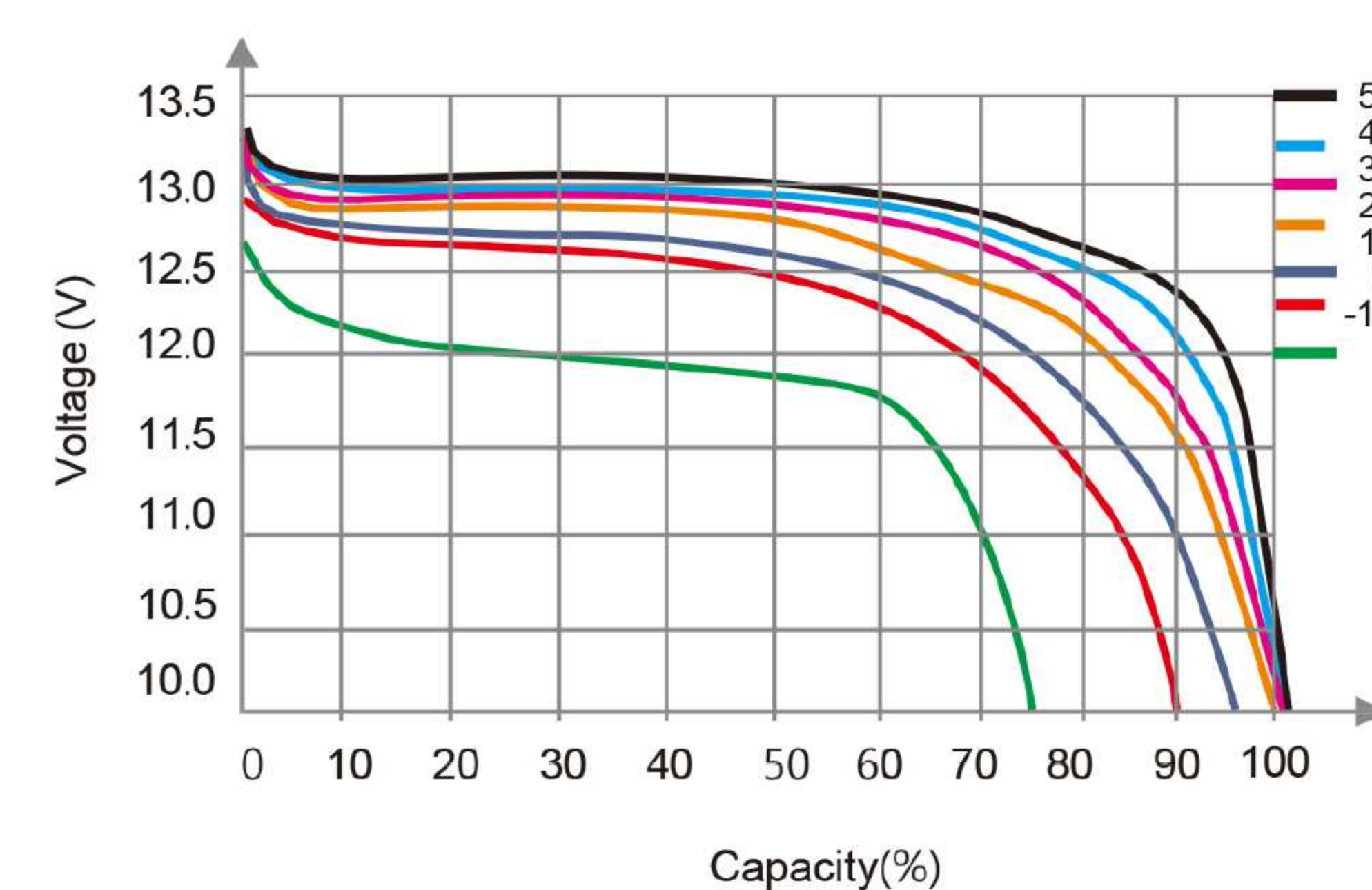
Lithium Iron (LiFePO₄) Battery

ALFP-12100(12.8V 100Ah)

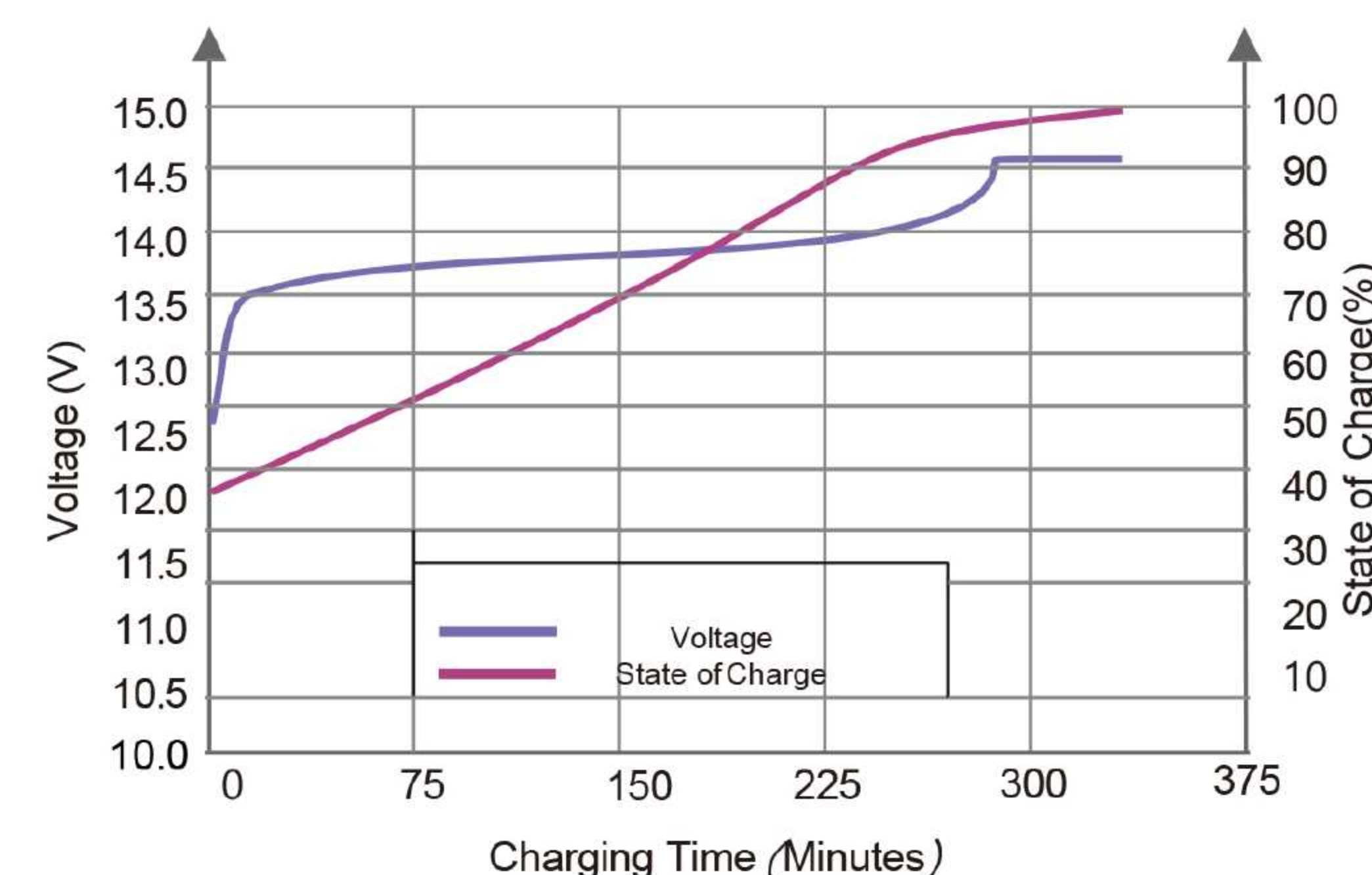
Different Rate Discharge Curve(25°C)



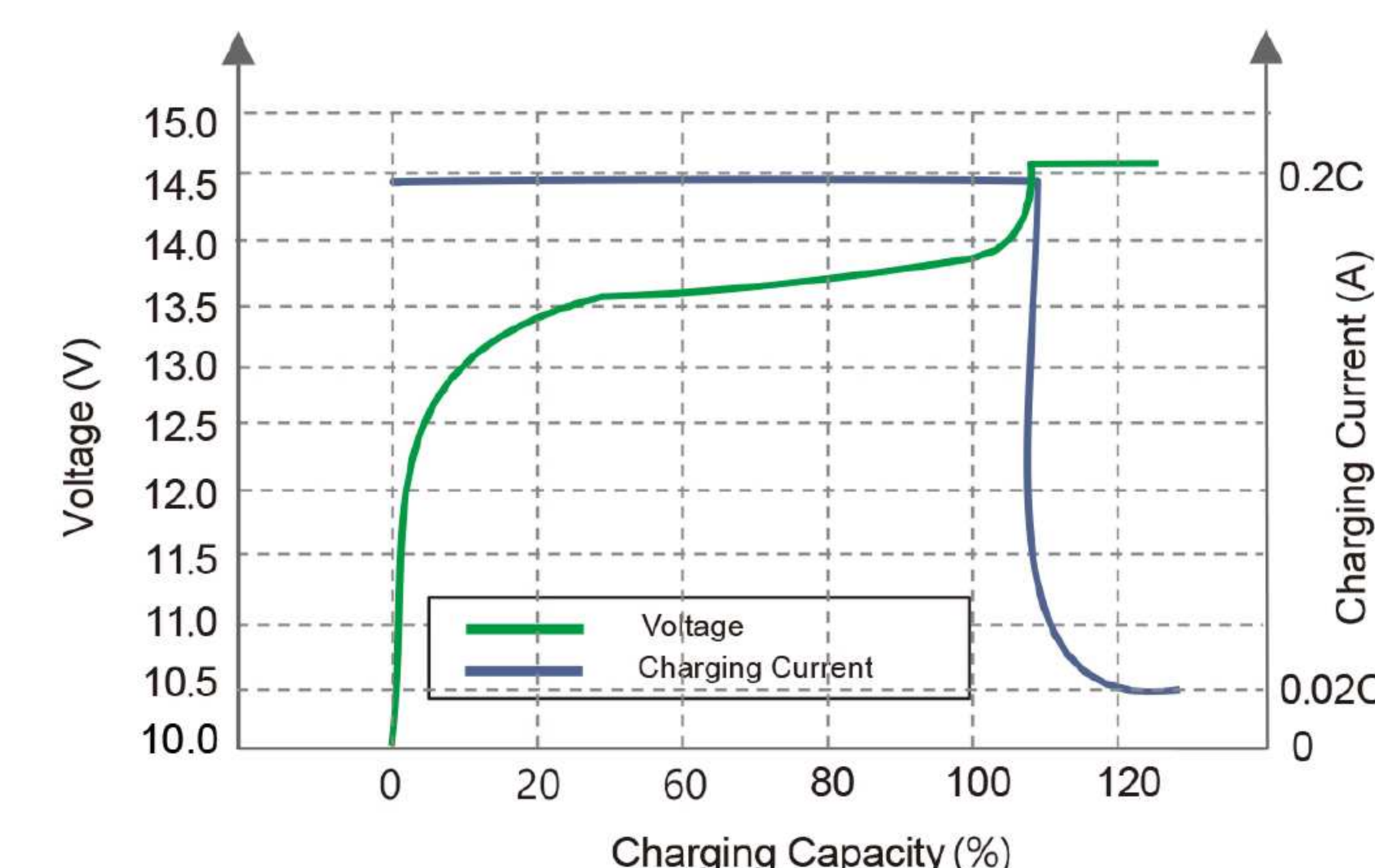
Different Temperature Discharge Curve(0.5C)



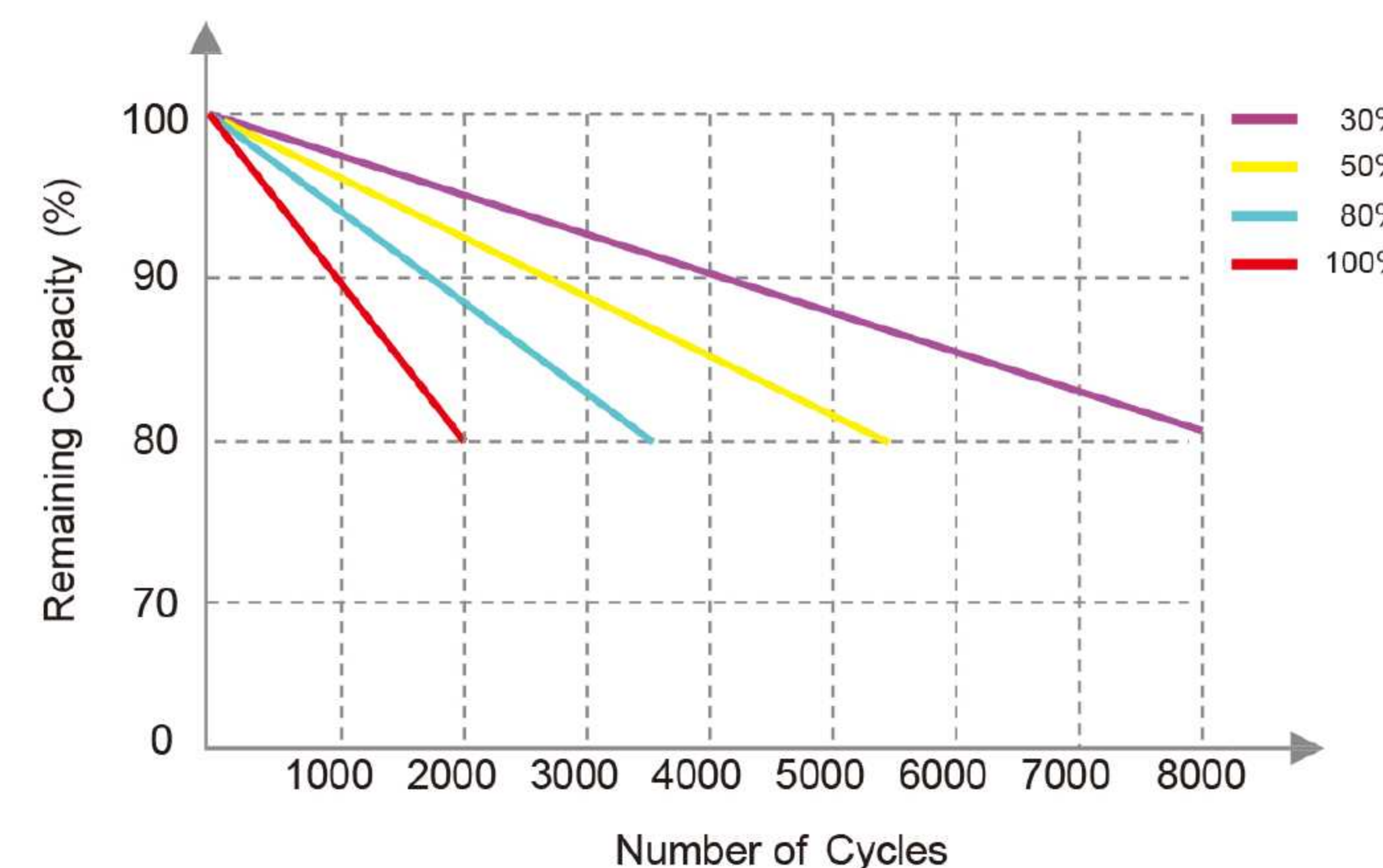
State of Charge Curve(0.2C, 25°C)



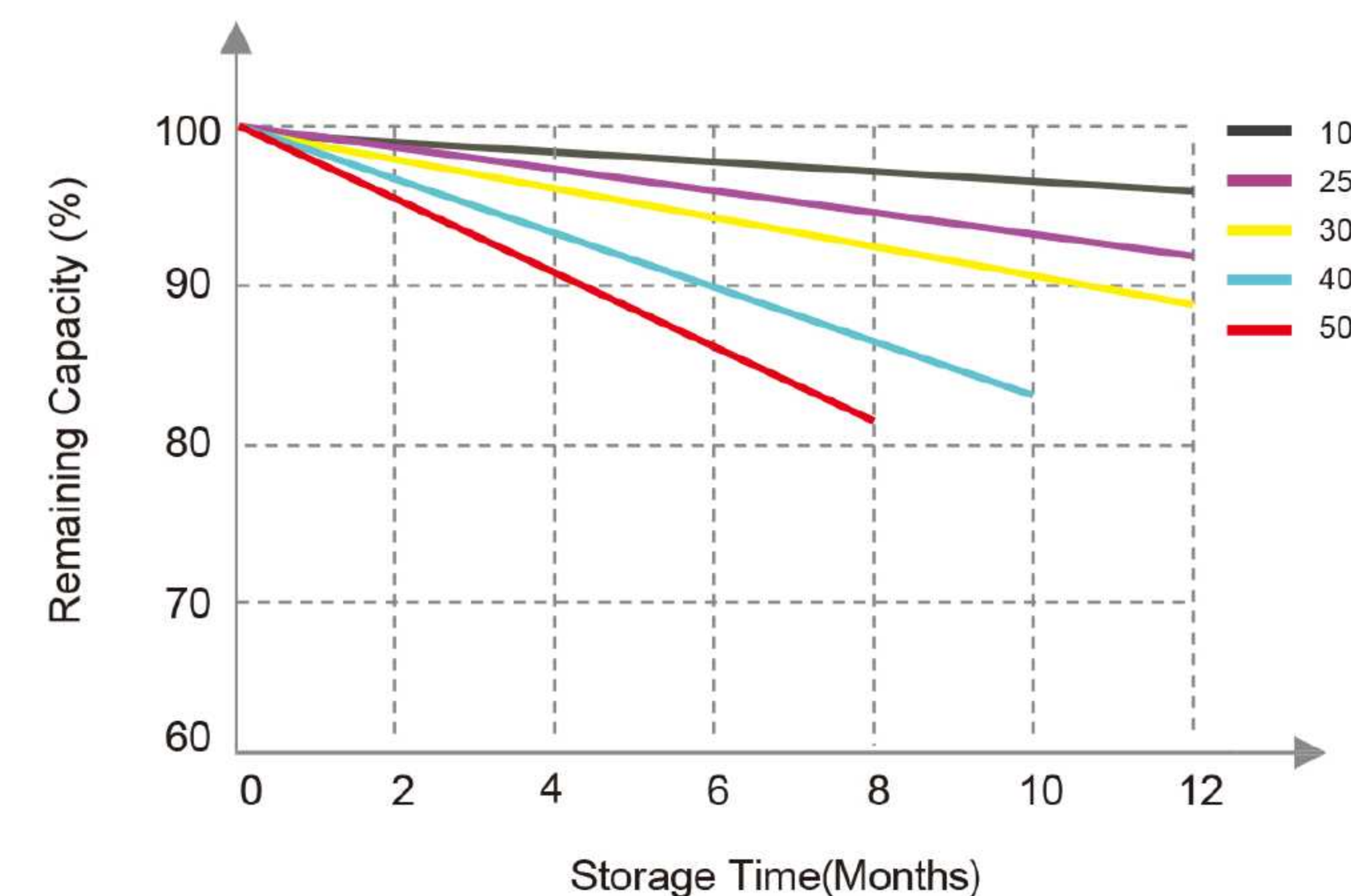
Charging Characteristics(0.2C, 25°C)



Different DOD Discharge Cycle Life Curve



Different Temperature Self Discharge Curve



Lithium Iron (LiFePO₄) Battery

ALFP-12150(12.8V 150Ah)

Features

Longer Cycle Life : Offer up to 10 times longer cycle life and five times longer float/calendar life than lead acid battery, helping it minimize replacement cost and reduce total cost of ownership.

Lighter Weight : About 40% of the weight of a comparable lead acid battery. A'drop in' replacement for lead acid batteries.

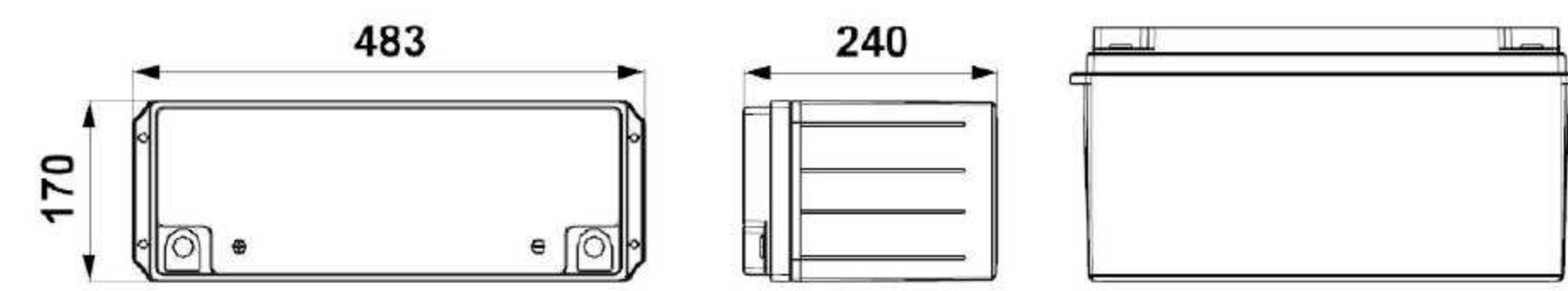
Higher Power : Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

Wider Temperature Range : -20~60°C

Superior Safety : Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.



Dimension-mm



Application

- Solar/Wind energy Storage
- Golf cart
- Back-up Power for UPS/EPS
- Tools

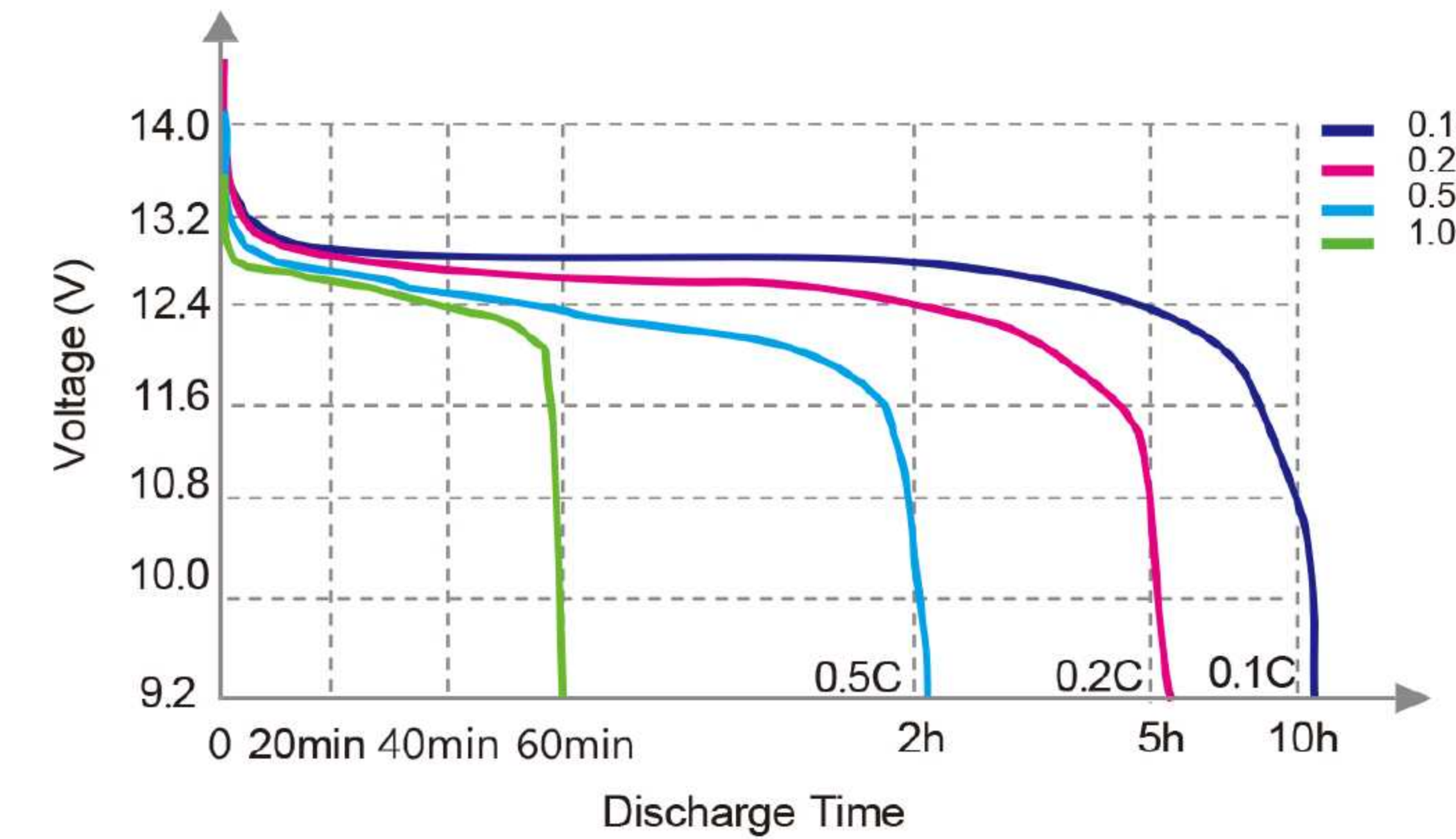
Specification

Basic Parameters	Rated Voltage	12.8V
	Rated Capacity	150Ah
	Rated Energy	1920wh
	Internal Resistance (AC)	≤80mΩ
	Cycle Life	≥3500 cycles @80%DOD
	Self Discharge	1%/months
	Efficiency of Charge	≥97%
	Efficiency of Discharge	≥98%
Charge	Charge Voltage	14.6V
	Charge Current (Recomm.)	20A
	Charge Current (Max.)	150A
Discharge	Discharge Cut-off Voltage	10V
	Discharge Current (Max.)	150A
	Pulse Current	170A (3S)
Environmental	Charge Temperature	0°C to 60°C
	Discharge Temperature	-20°C to 60°C
	Humidity	5% to 95%
Physical Characteristics	IP Class	IP30
	Terminal	M8
	Plastic Case	ABS
	Dimensions (in. /mm.)	483*170*240mm (±4mm)
	Weight (lbs. /kg.)	16kg
	Others(optional)	Bluetooth, Shell color, IP rating

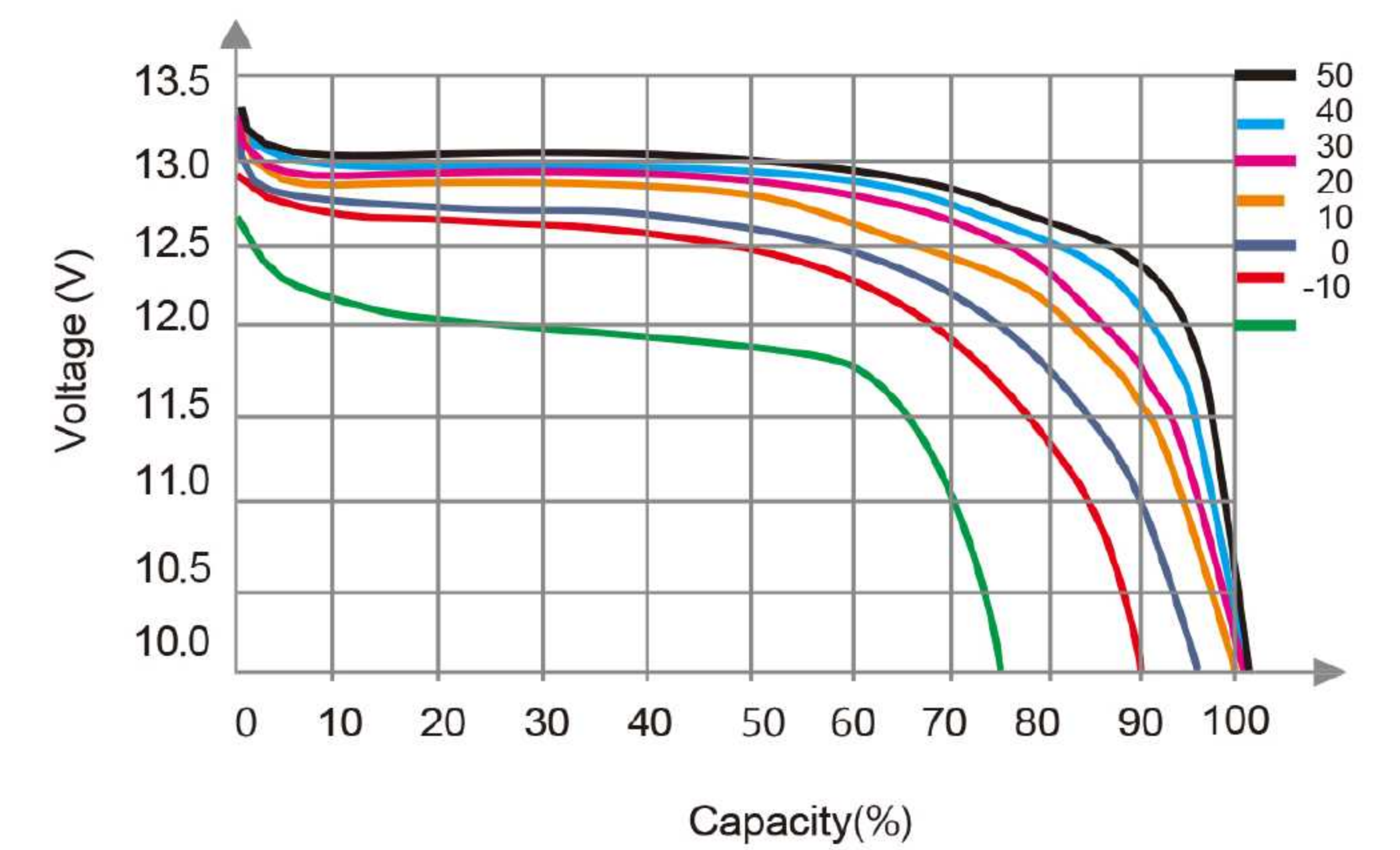
Lithium Iron (LiFePO₄) Battery

ALFP-12150(12.8V 150Ah)

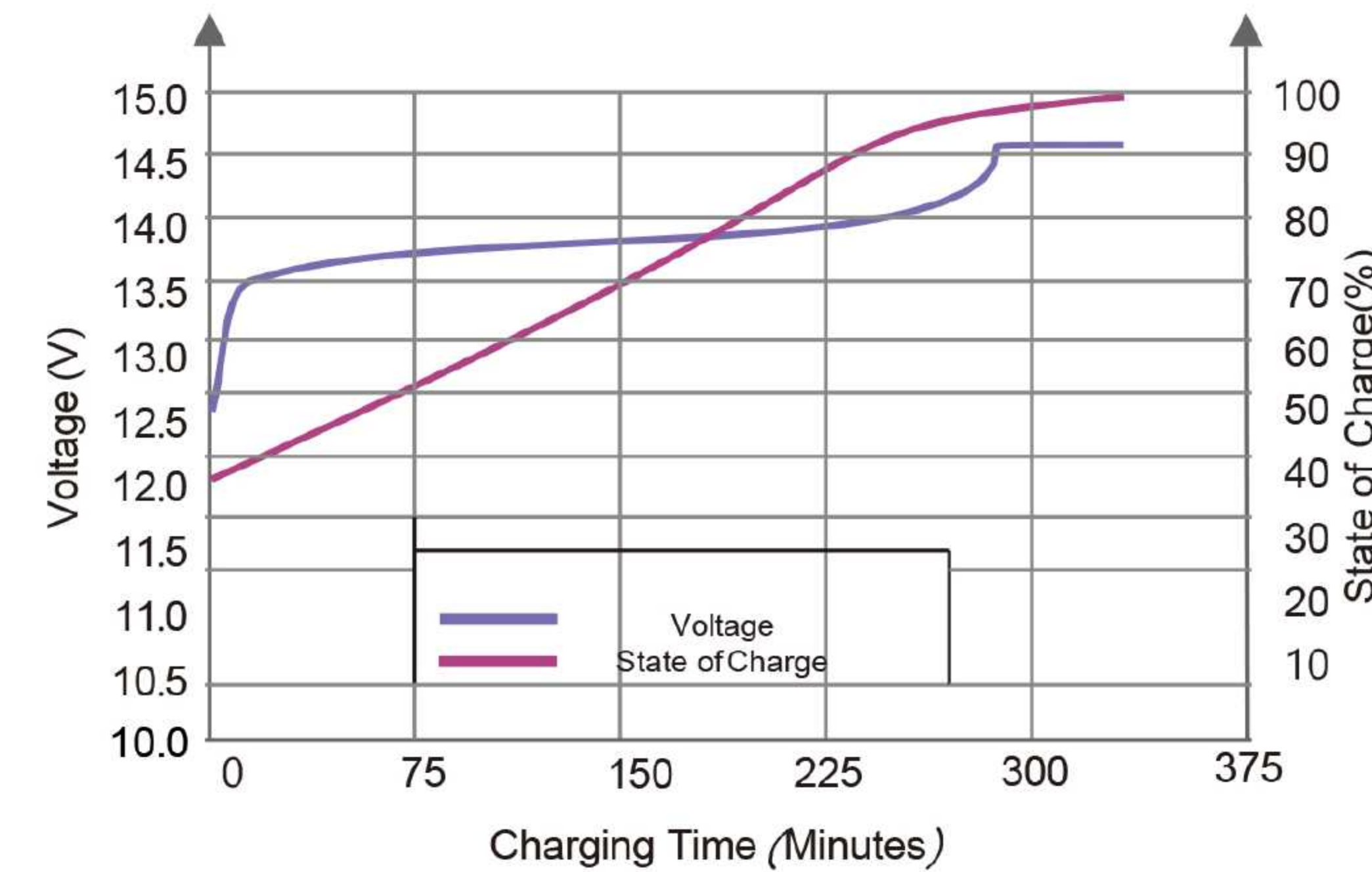
Different Rate Discharge Curve(25°C)



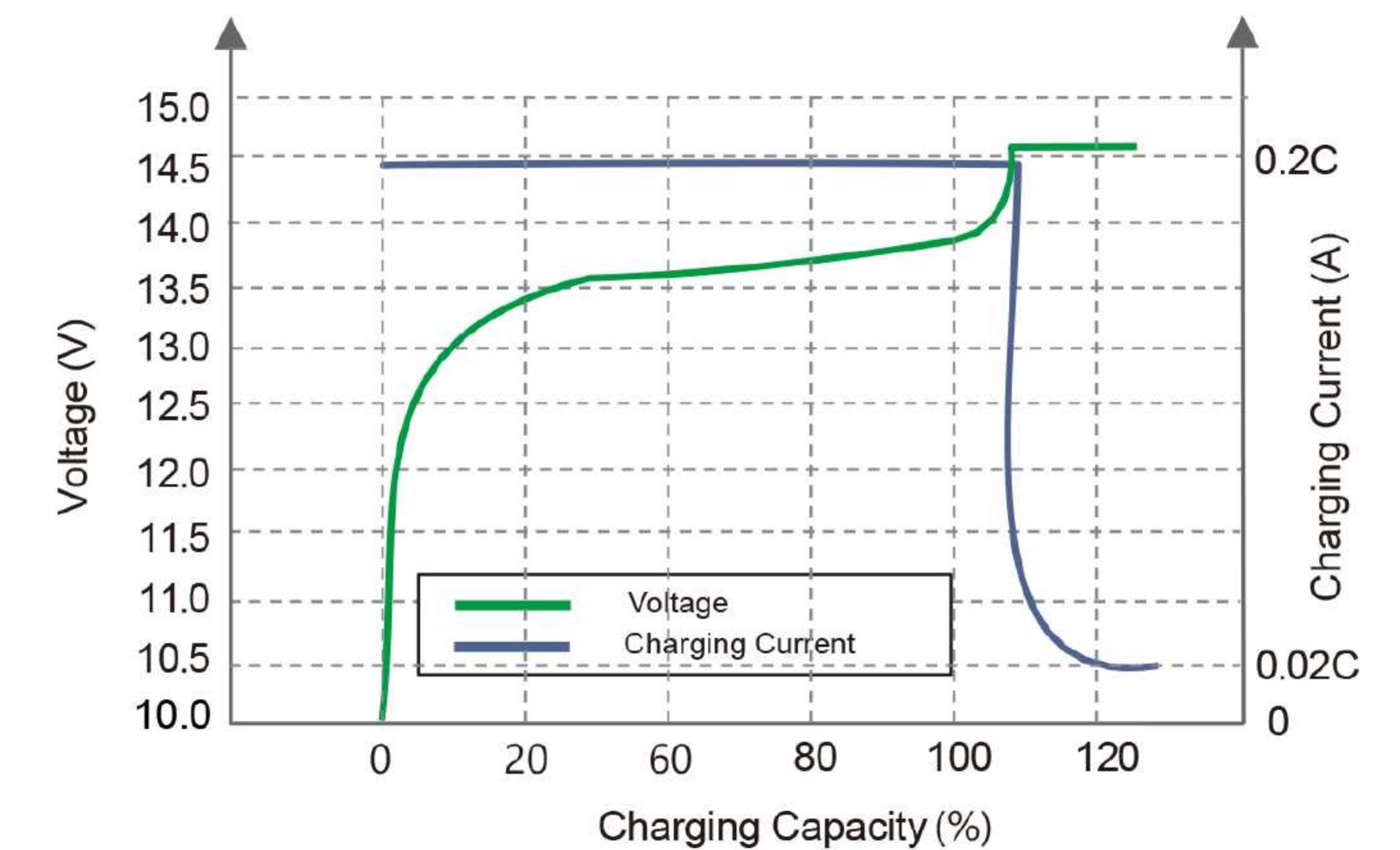
Different Temperature Discharge Curve(0.5C)



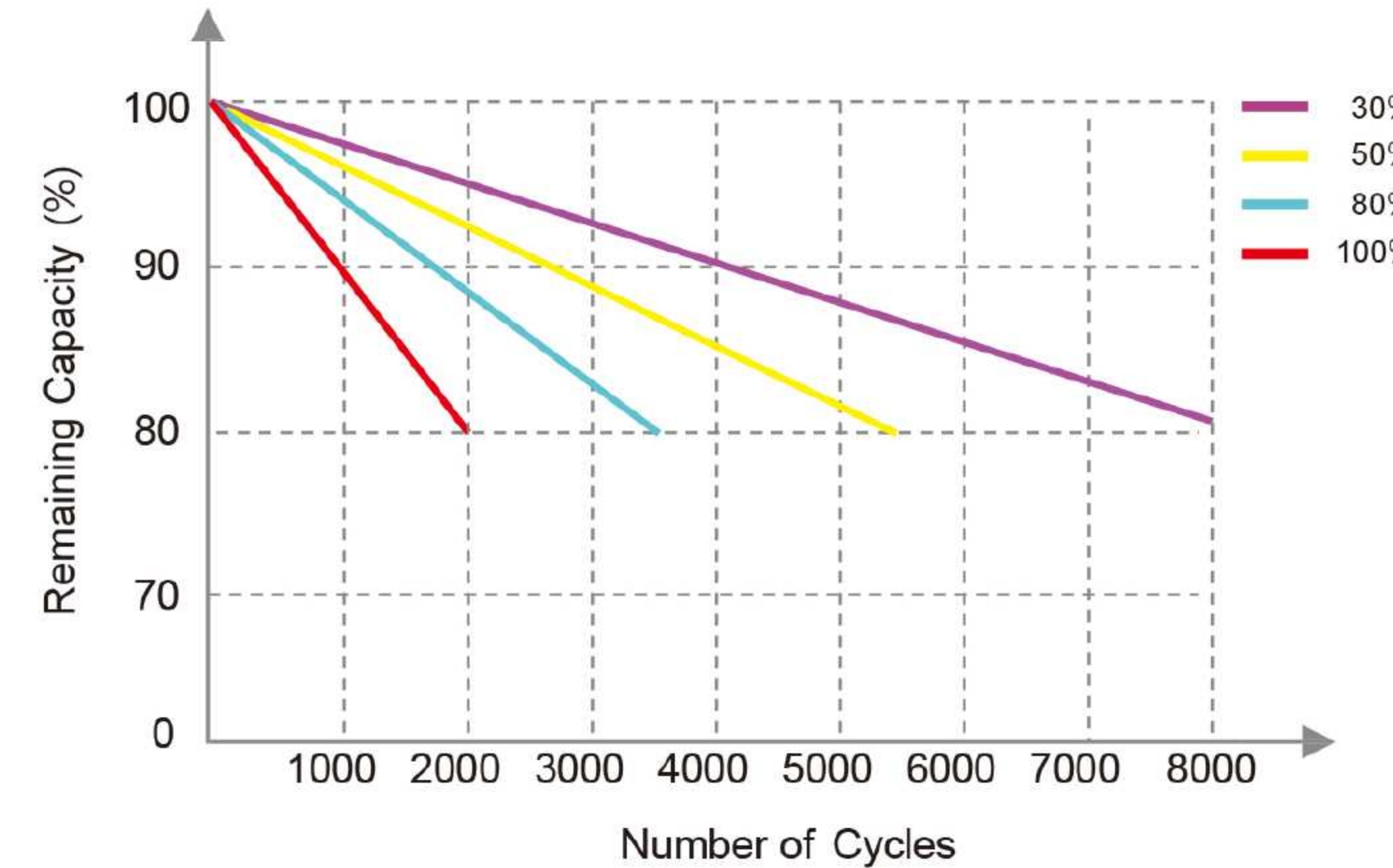
State of Charge Curve(0.2C, 25°C)



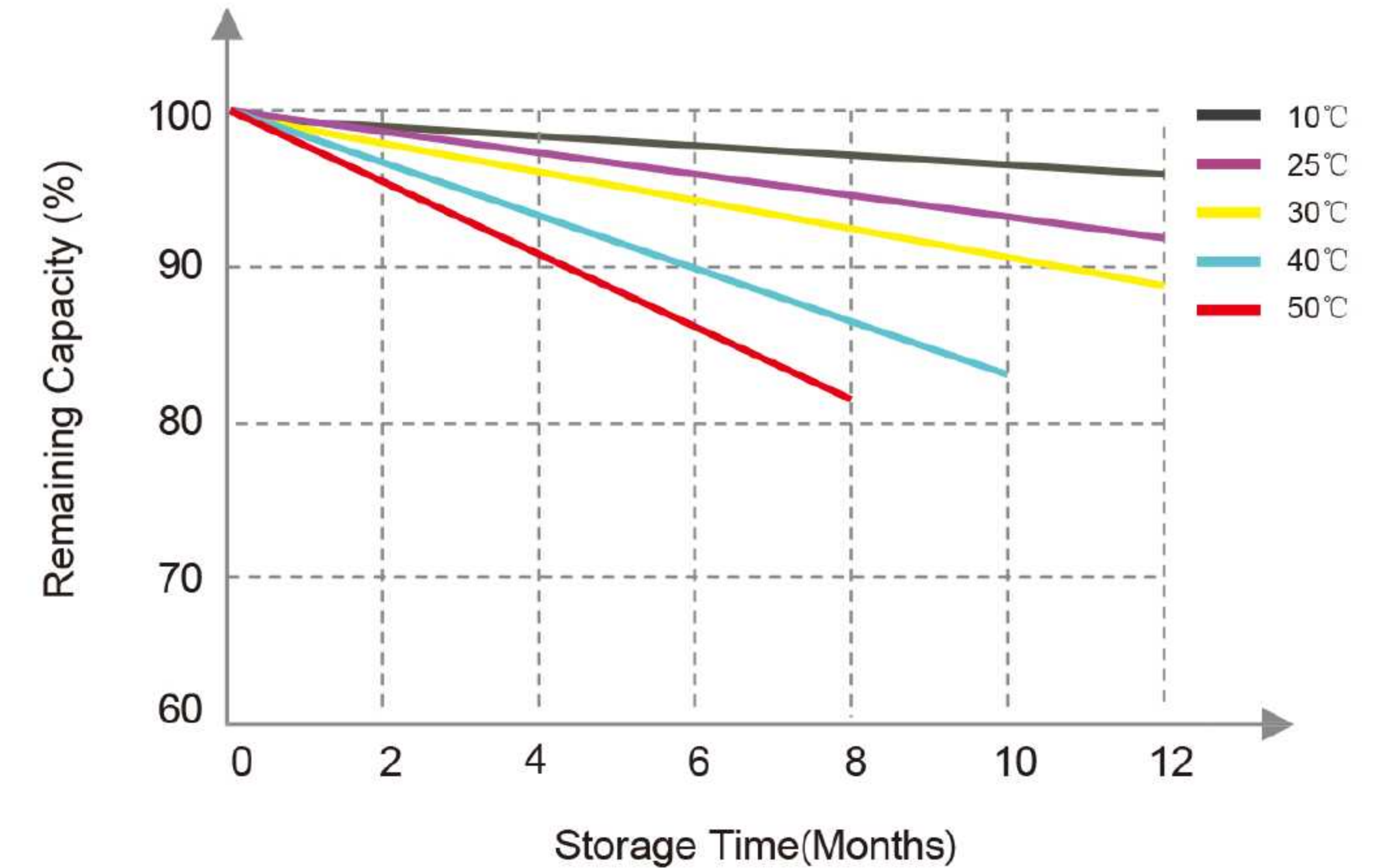
Charging Characteristics(0.2C, 25°C)



Different DOD Discharge Cycle Life Curve



Different Temperature Self Discharge Curve



Lithium Iron (LiFePO₄) Battery

ALFP-12200(12.8V 200Ah)

Features

Longer Cycle Life : Offer up to 10 times longer cycle life and five times longer float/calendar life than lead acid battery, helping it minimize replacement cost and reduce total cost of ownership.

Lighter Weight : About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.

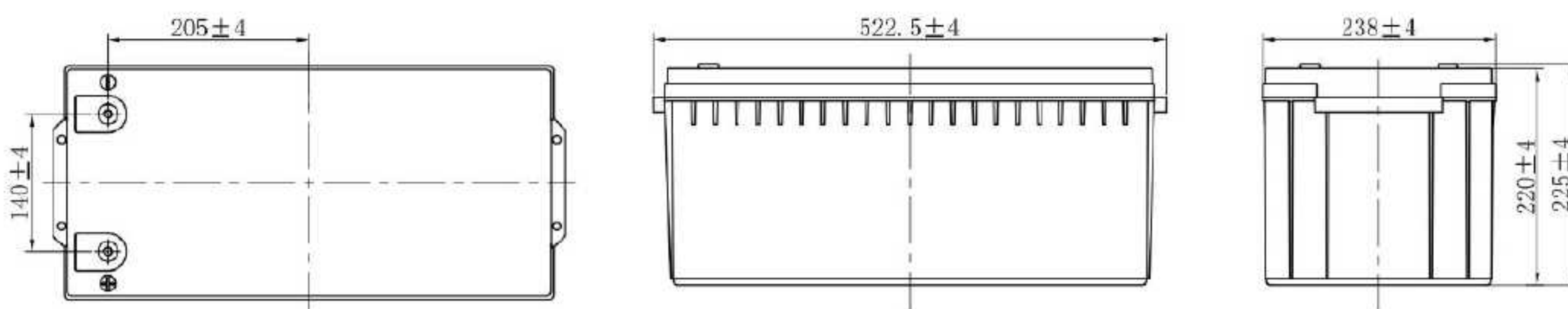
Higher Power : Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

Wider Temperature Range : -20~60°C

Superior Safety : Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.



Dimension-mm



Application

- Solar/Wind energy Storage
- Golf cart
- Back-up Power for UPS/EPS
- Tools

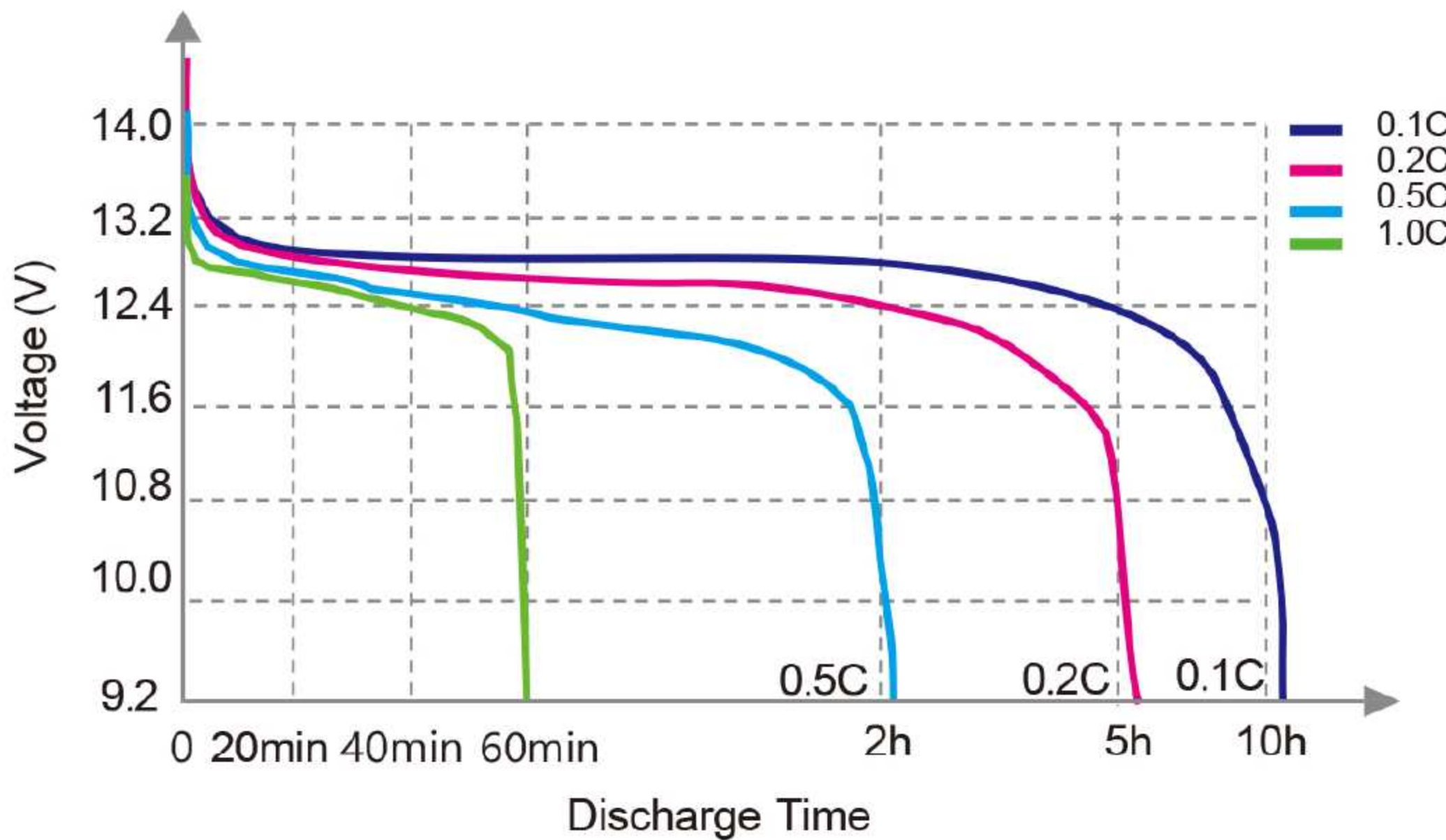
Specification

Basic Parameters	Rated Voltage	12.8V
	Rated Capacity	200Ah
	Rated Energy	2560wh
	Internal Resistance (AC)	≤80mΩ
	Cycle Life	≥3500 cycles @80%DOD
	Self Discharge	1%/months
	Efficiency of Charge	≥97%
	Efficiency of Discharge	≥98%
Charge	Charge Voltage	14.6V
	Charge Current (Recomm.)	30A
	Charge Current (Max.)	100A
Discharge	Discharge Cut-off Voltage	10.0V
	Discharge Current (Max.)	100A
	Pulse Current	120A(3S)
Environmental	Charge Temperature	0°C to 55°C(32F to 131F)@60±25%Relative Humidity
	Discharge Temperature	-20°C to 60°C(-4F to 140F)@60±25%Relative Humidity
	Storage Temperature	0°C to 40°C(32F to 104F)@60±25%Relative Humidity
Physical Characteristics	IP Class	IP30
	Terminal	M8
	Plastic Case	ABS
	Dimensions (in. /mm.)	522.5*238*220mm(±4mm)
	Weight (lbs. /kg.)	20kg
	Others(optional)	Bluetooth,Shell color,IP rating

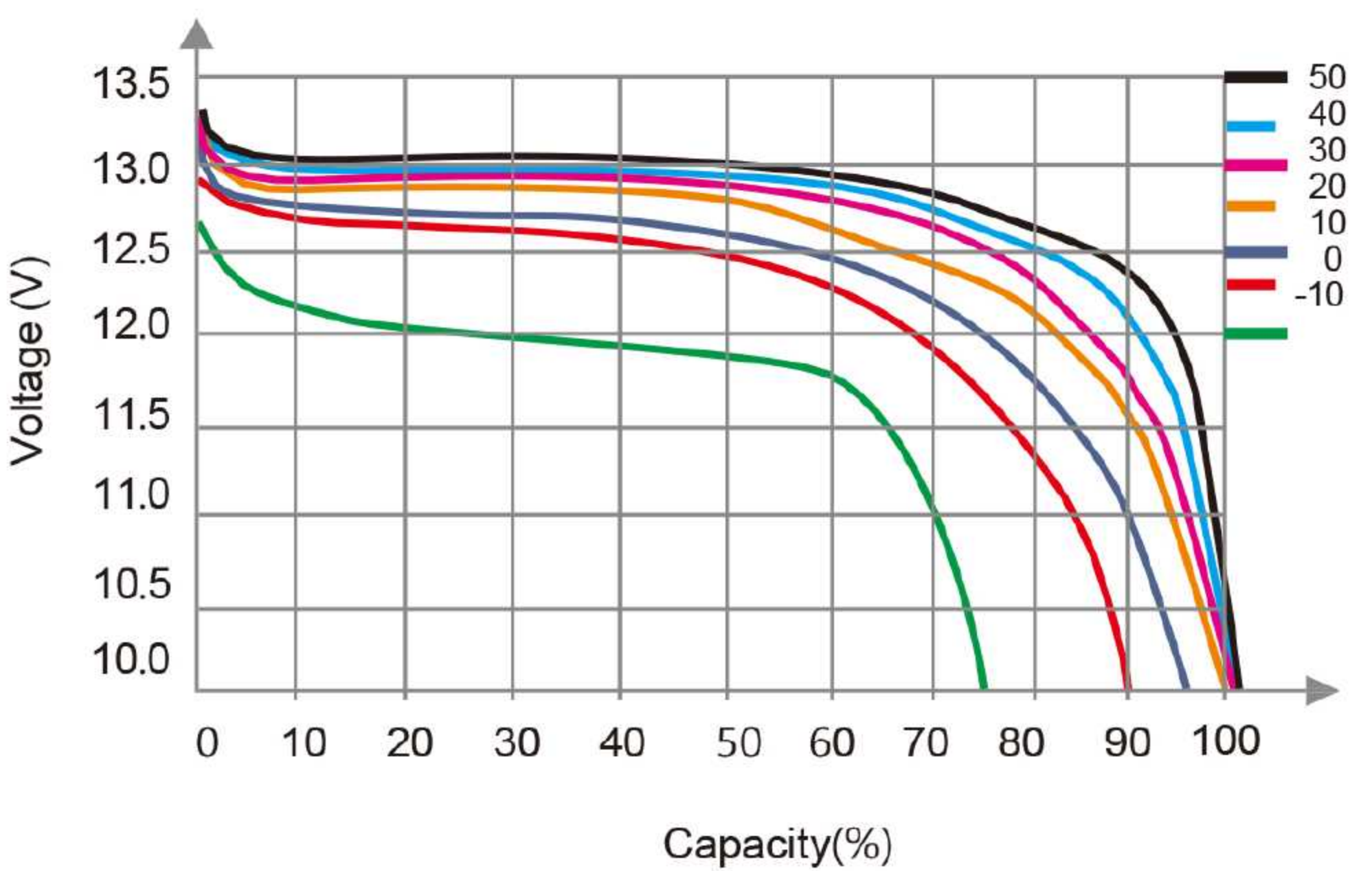
Lithium Iron (LiFePO₄) Battery

ALFP-12200(12.8V 200Ah)

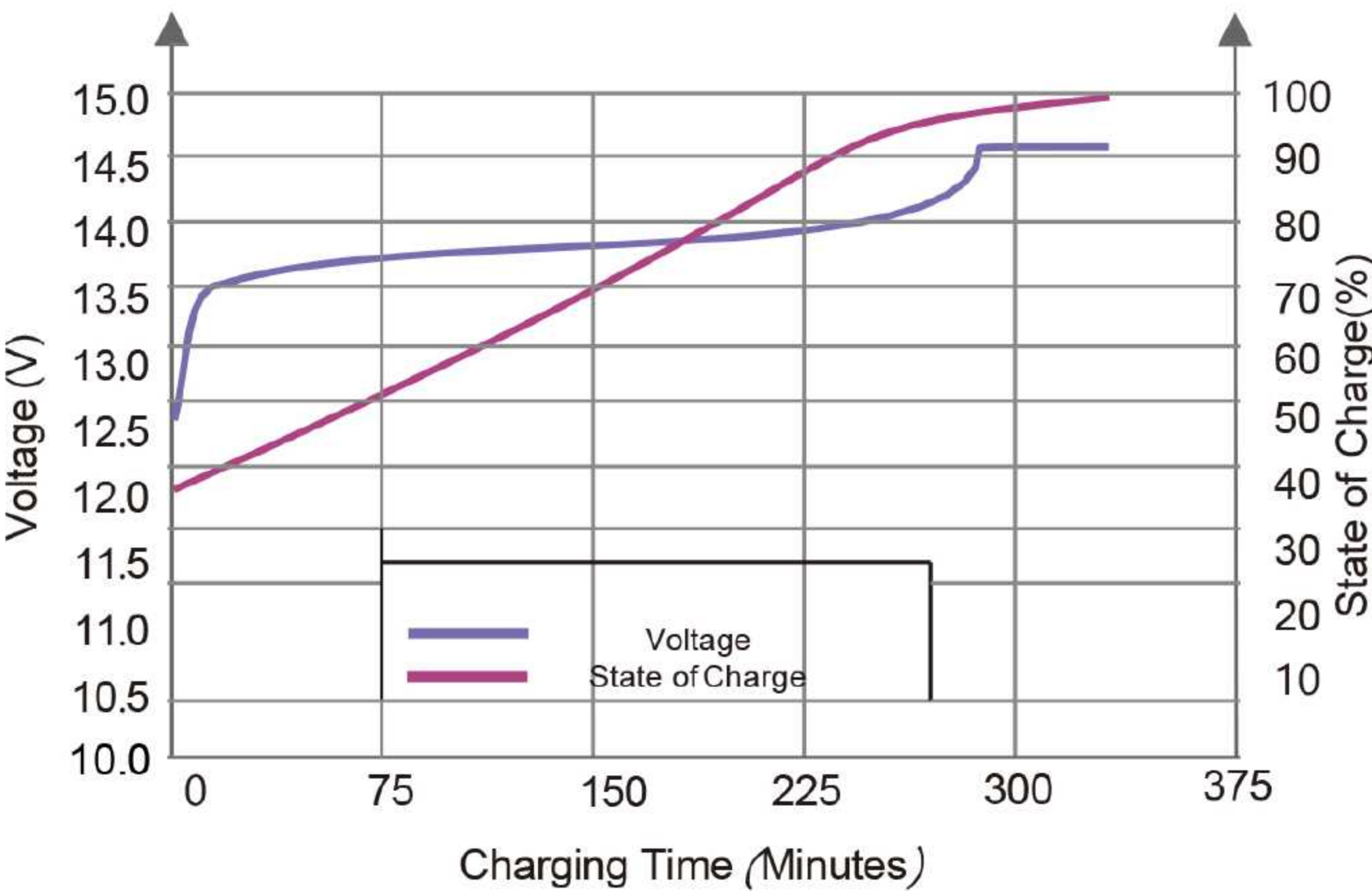
Different Rate Discharge Curve(25°C)



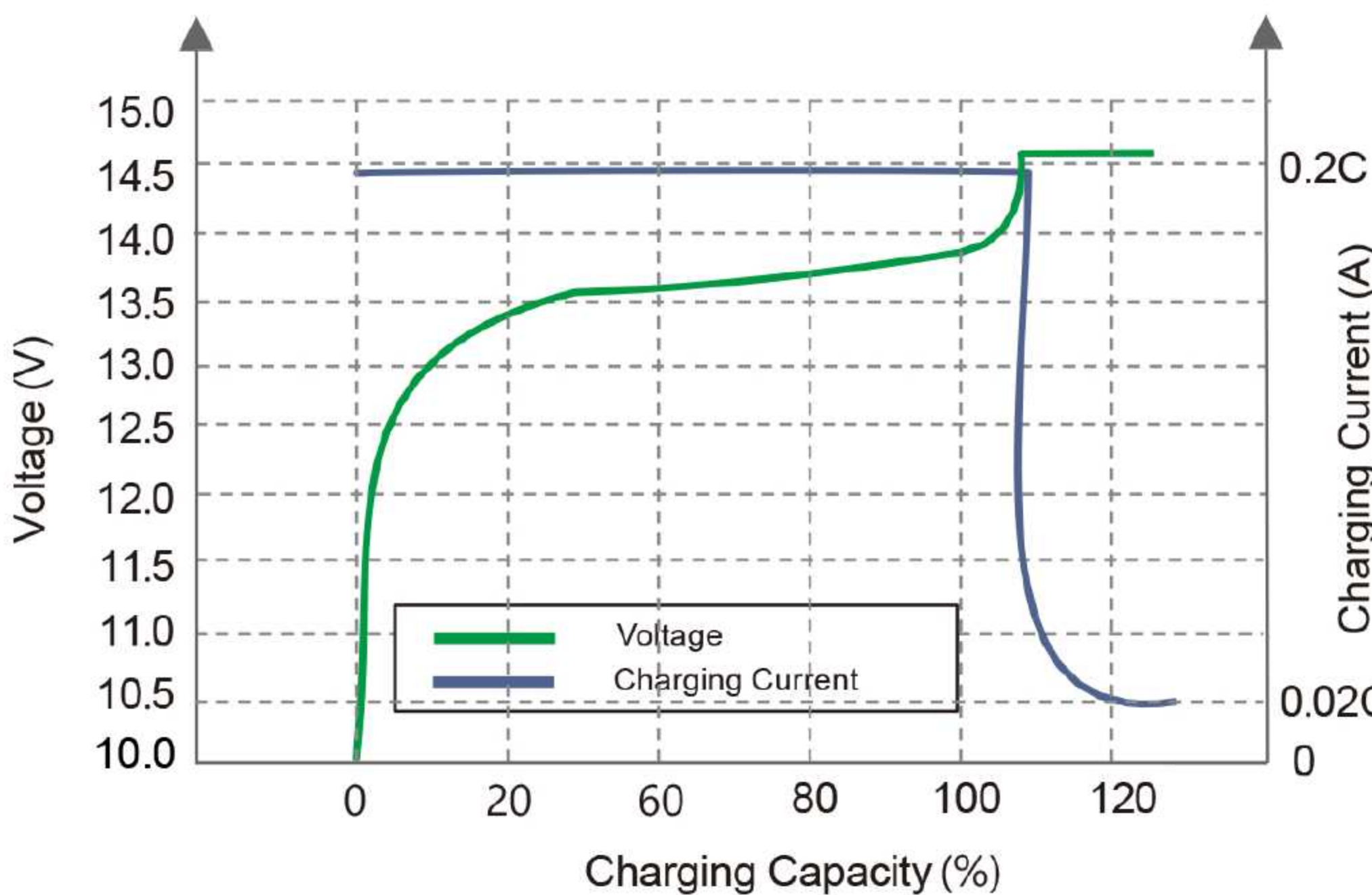
Different Temperature Discharge Curve(0.5C)



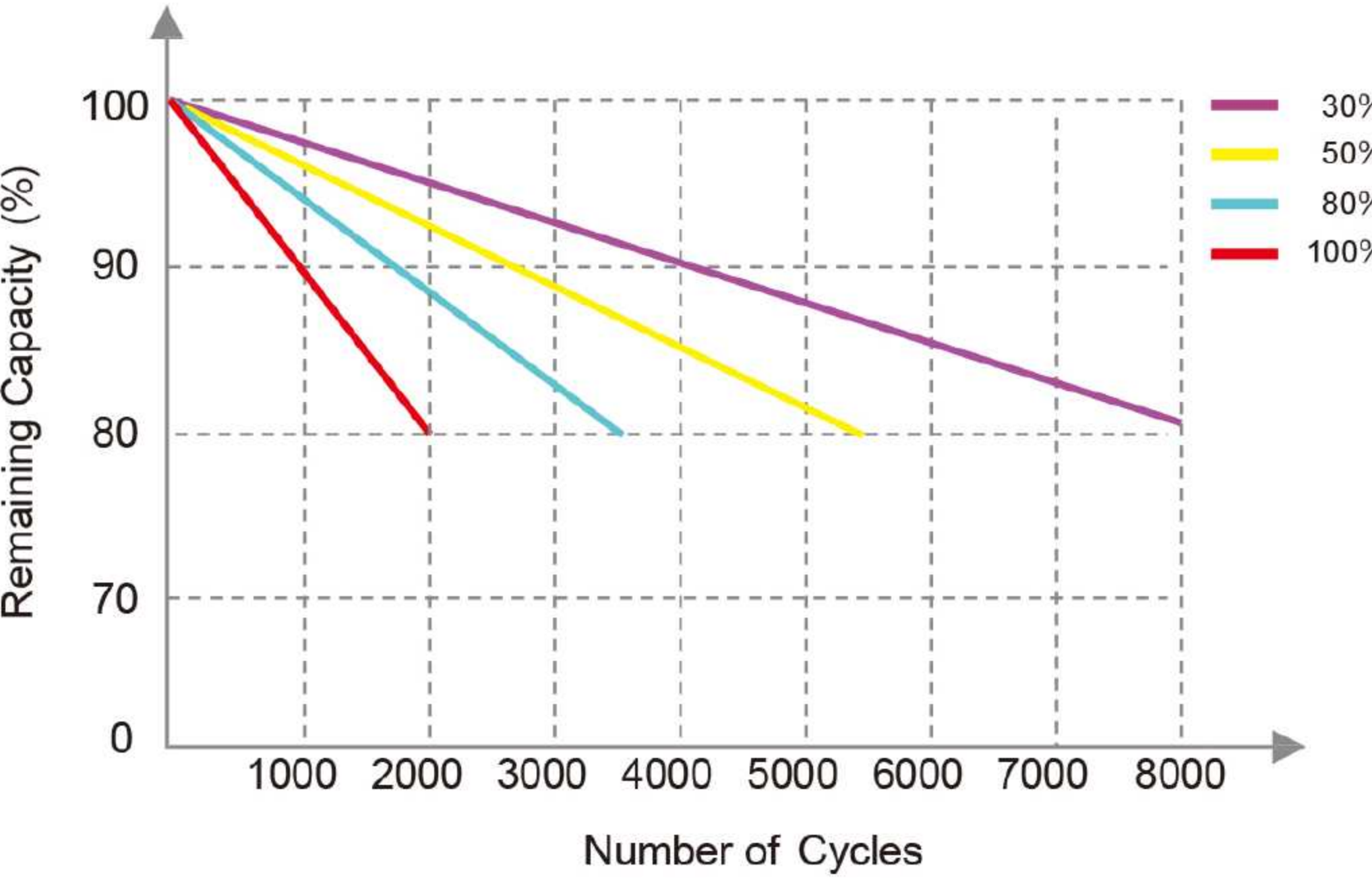
State of Charge Curve(0.2C, 25°C)



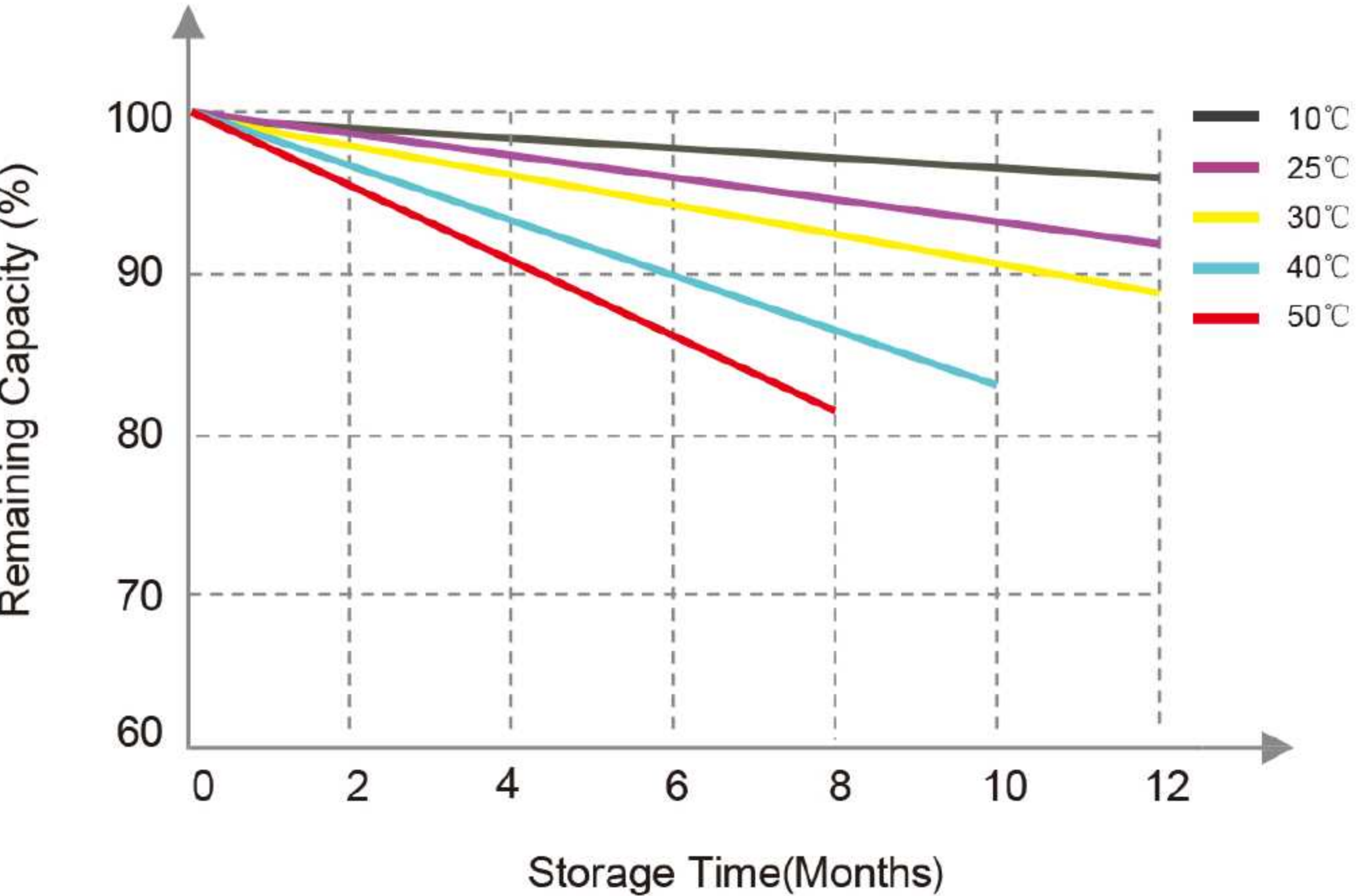
Charging Characteristics(0.2C, 25°C)



Different DOD Discharge Cycle Life Curve



Different Temperature Self Discharge Curve



Lithium Iron (LiFePO₄) Battery

ALFP-12300(12.8V 300Ah)

Features

Longer Cycle Life : Offer up to 10 times longer cycle life and five times longer float/calendar life than lead acid battery, helping it minimize replacement cost and reduce total cost of ownership.

Lighter Weight : About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.

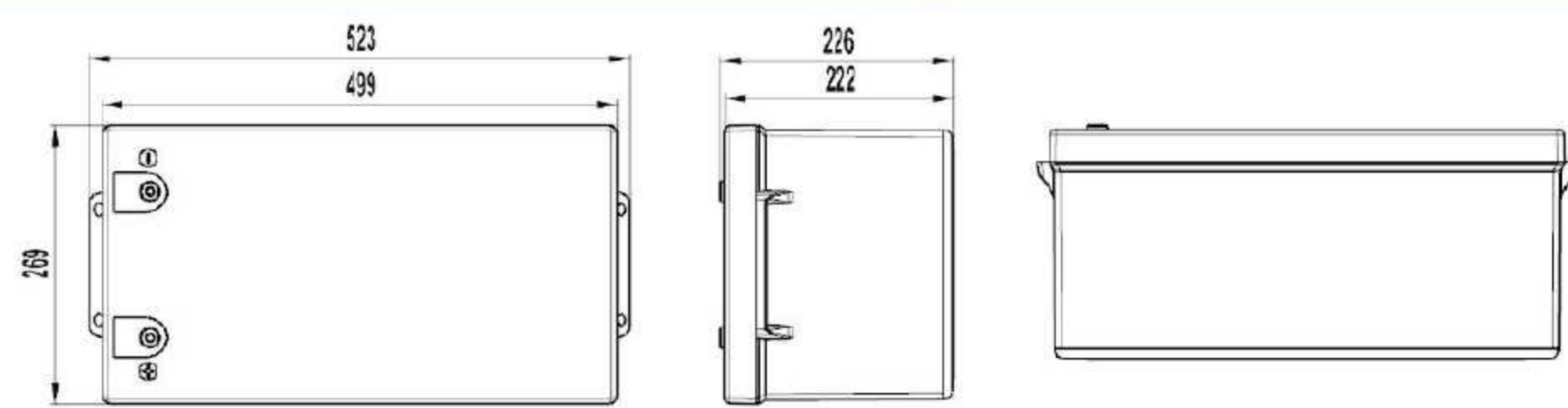
Higher Power : Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

Wider Temperature Range : -20~60°C

Superior Safety : Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.



Dimension-mm



Application

- Solar/Wind energy Storage
- Golf cart
- Back-up Power for UPS/EPS
- Tools

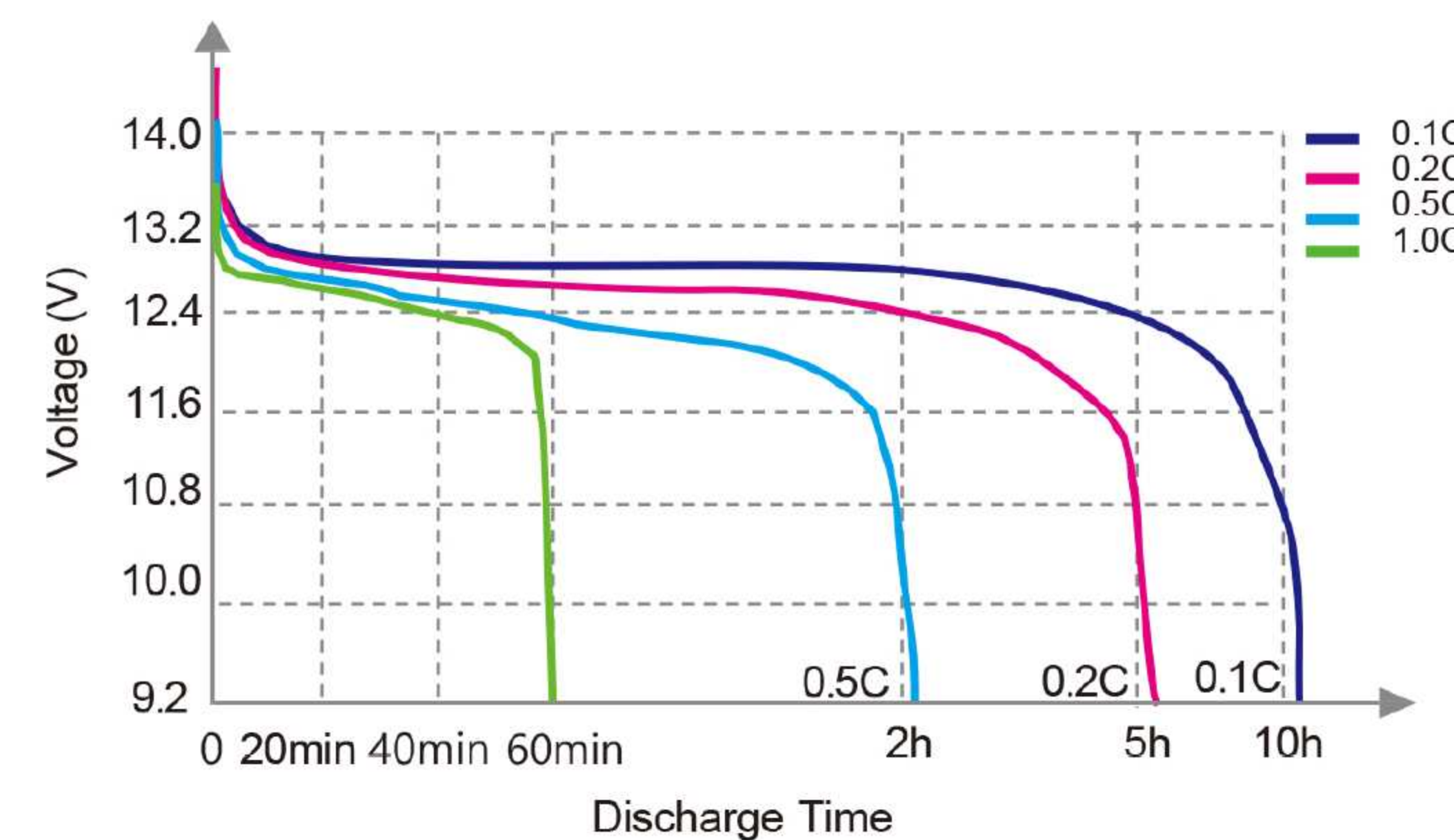
Specification

Basic Parameters	Rated Voltage	12.8V
	Rated Capacity	300Ah
	Rated Energy	3840wh
	Internal Resistance (AC)	≤80mΩ
	Cycle Life	≥3500 cycles @80%DOD
	Self Discharge	1%/months
	Efficiency of Charge	≥97%
	Efficiency of Discharge	≥98%
Charge	Charge Voltage	14.2V
	Charge Current (Recomm.)	60A
	Charge Current (Max.)	200A
Discharge	Discharge Cut-off Voltage	10.0V
	Discharge Current(Recomm.)	150A
	Discharge Current (Max.)	200A
Environmental	Charge Temperature	0°C to 55°C(32F to 131F)@60±25%Relative Humidity
	Discharge Temperature	-20°C to 60°C(-4F to 140F)@60±25%Relative Humidity
	Storage Temperature	0°C to 40°C(32F to 104F)@60±25%Relative Humidity
Physical Characteristics	IP Class	IP30
	Terminal	M8
	Plastic Case	ABS
	Dimensions (in. /mm.)	523*269*222mm(±4mm)
	Weight (lbs. /kg.)	33kg
	Others(optional)	Bluetooth,Shell color,IP rating

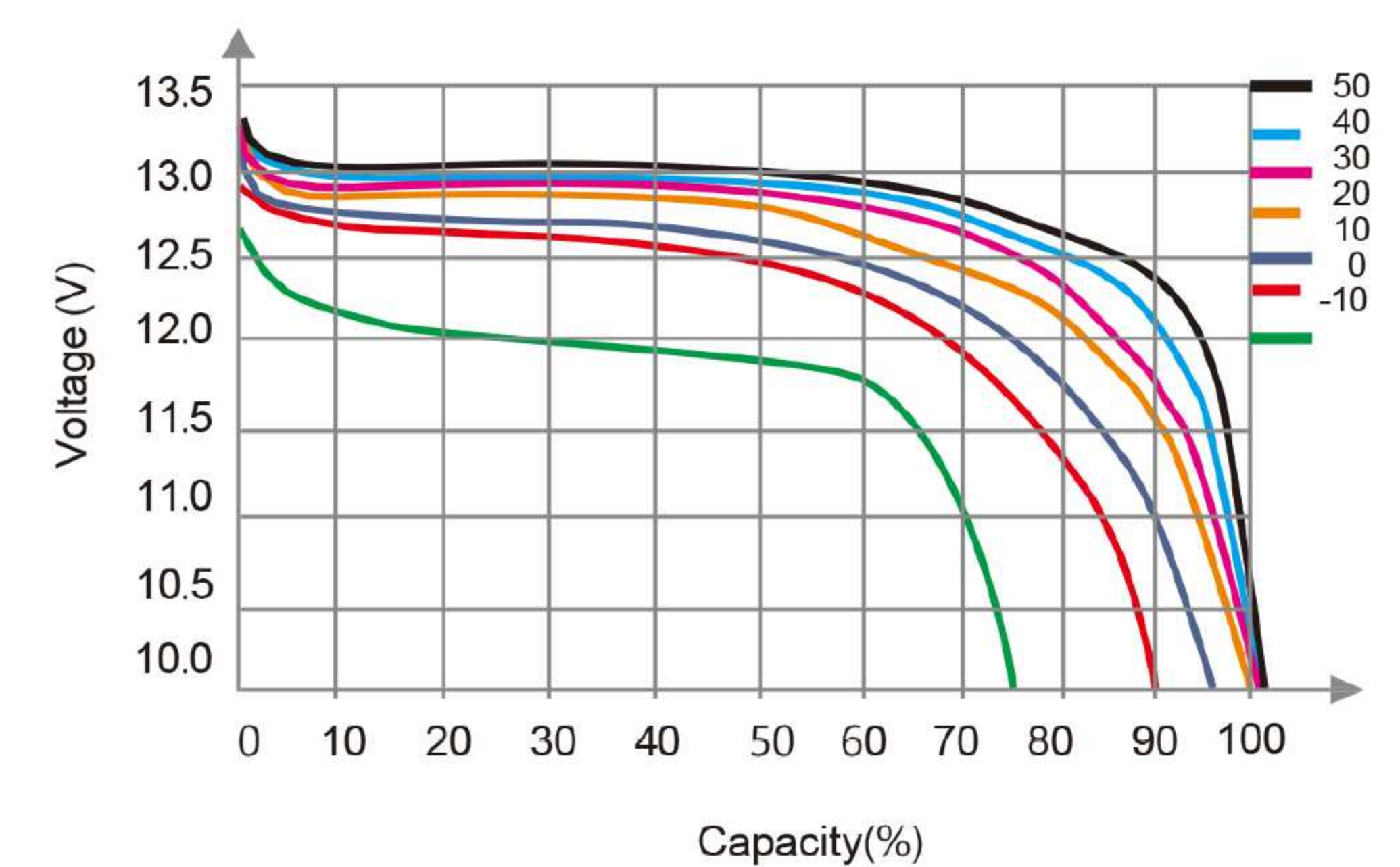
Lithium Iron (LiFePO₄) Battery

ALFP-12300(12.8V 300Ah)

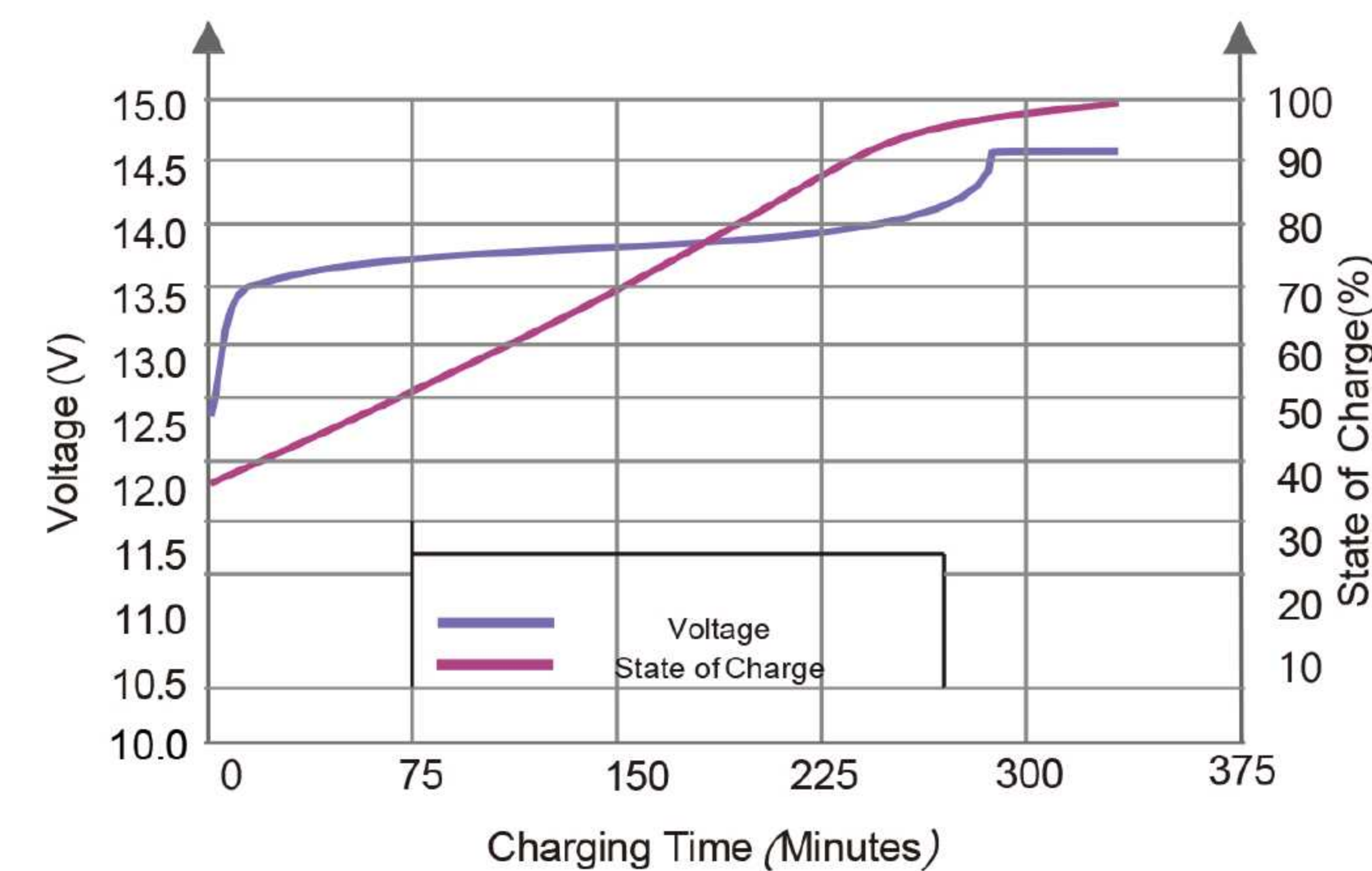
Different Rate Discharge Curve(25°C)



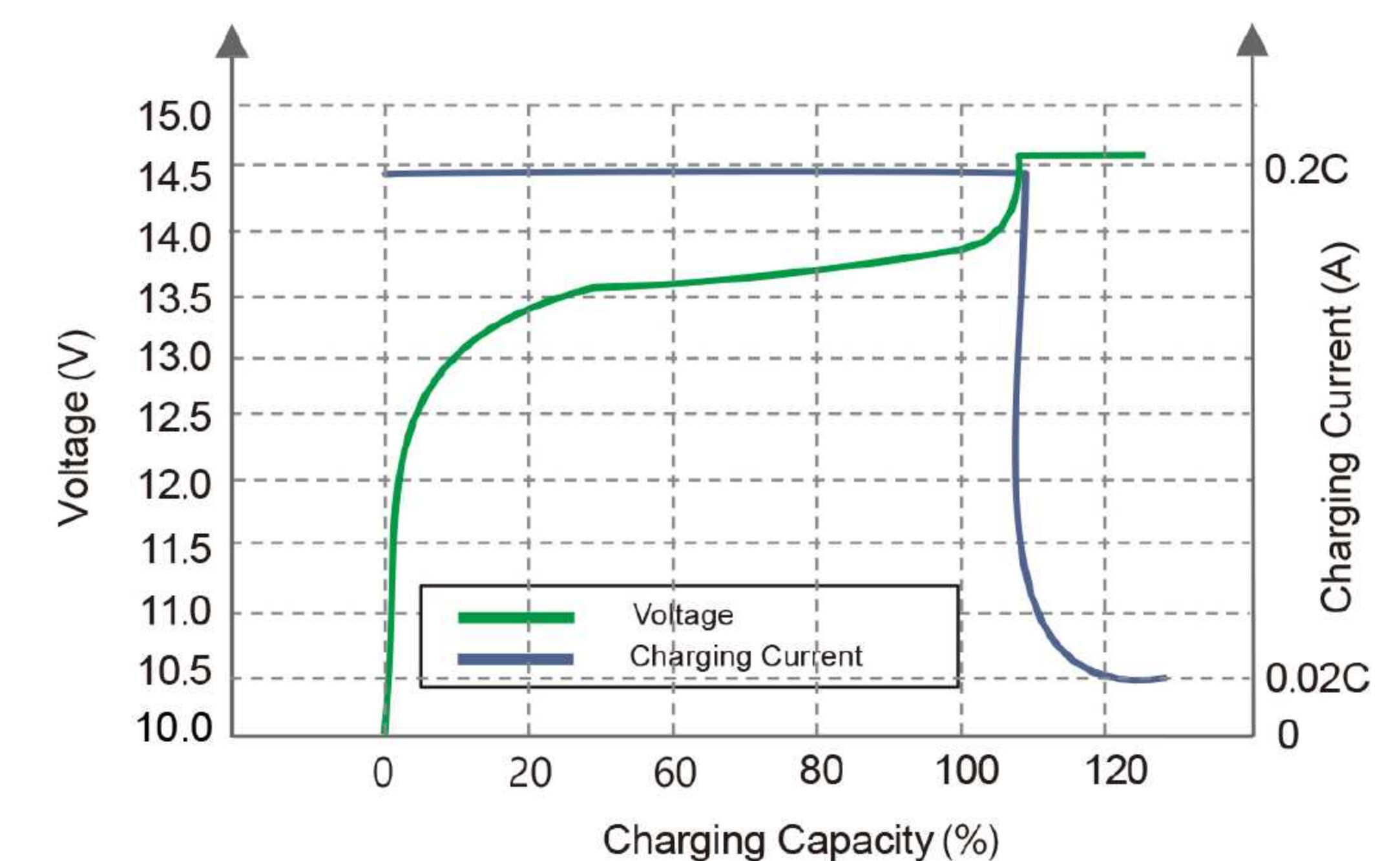
Different Temperature Discharge Curve(0.5C)



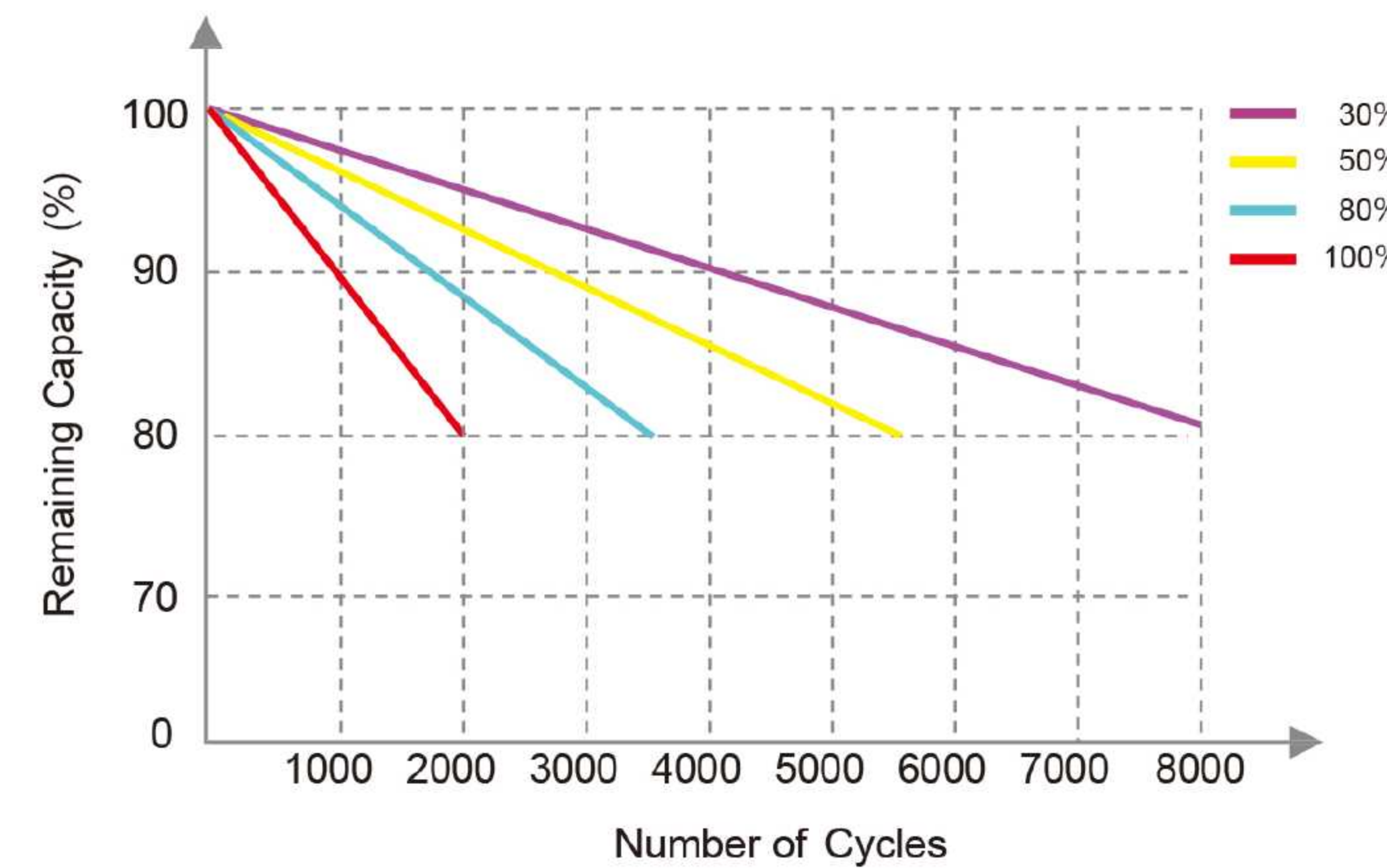
State of Charge Curve(0.2C, 25°C)



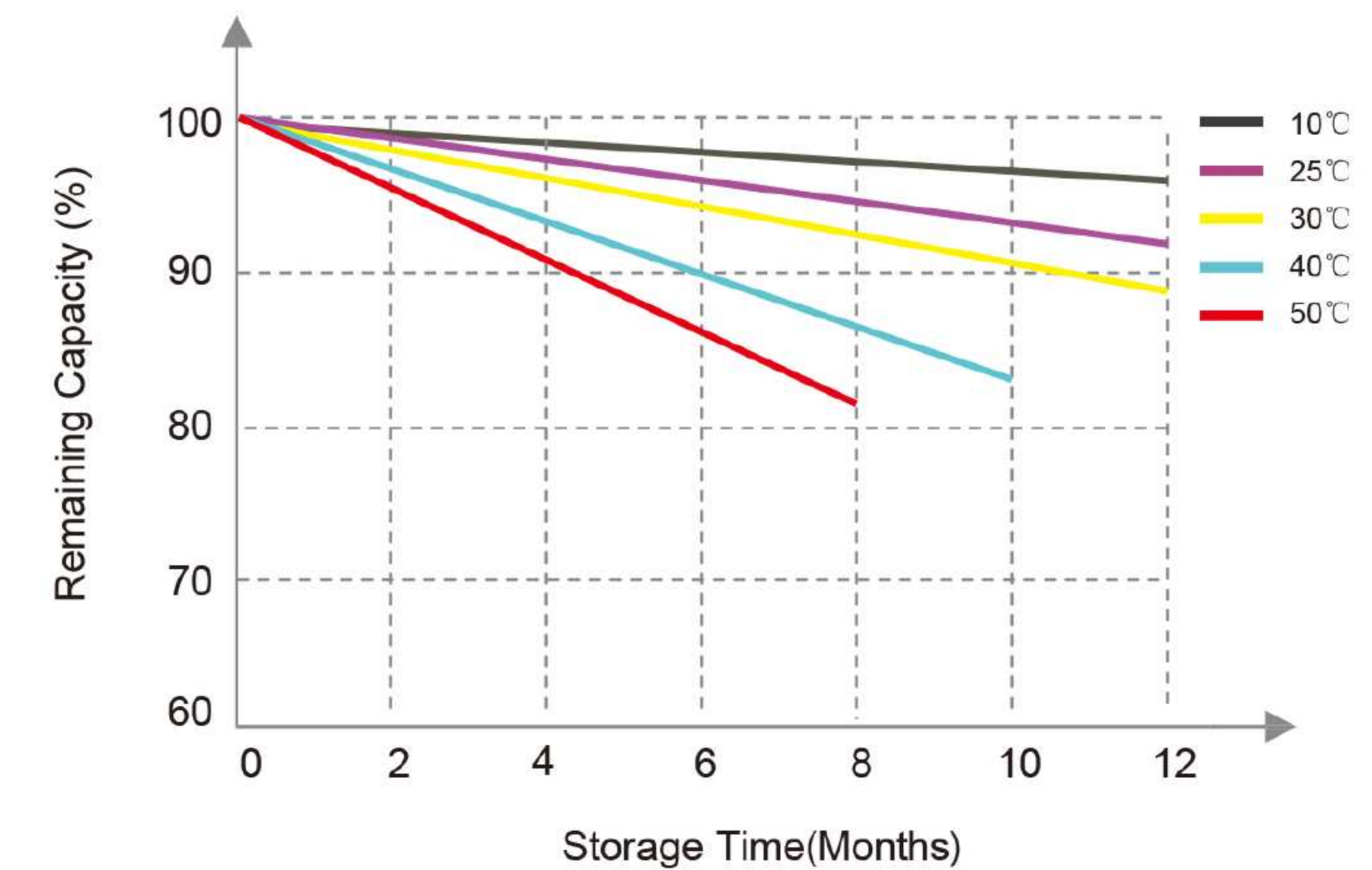
Charging Characteristics(0.2C, 25°C)



Different DOD Discharge Cycle Life Curve



Different Temperature Self Discharge Curve



Lithium Iron (LiFePO₄) Battery

ALFP-24100(25.6V 100Ah)

Features

Longer Cycle Life : Offer up to 10 times longer cycle life and five times longer float/calendar life than lead acid battery, helping it minimize replacement cost and reduce total cost of ownership.

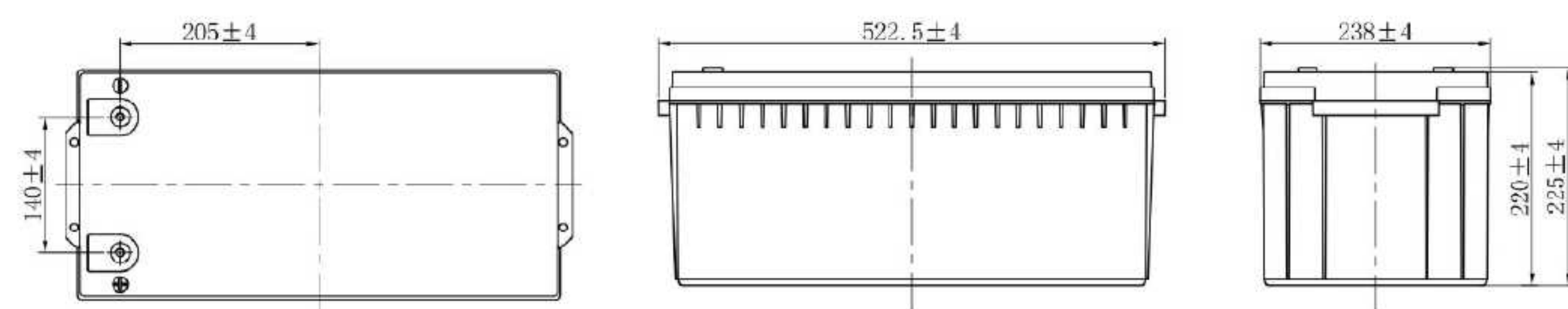
Lighter Weight : About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.

Higher Power : Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

Wider Temperature Range : -20~60°C

Superior Safety : Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.

Dimension-mm



Application

- Solar/Wind energy Storage
- Golf cart
- Back-up Power for UPS/EPS
- Tools

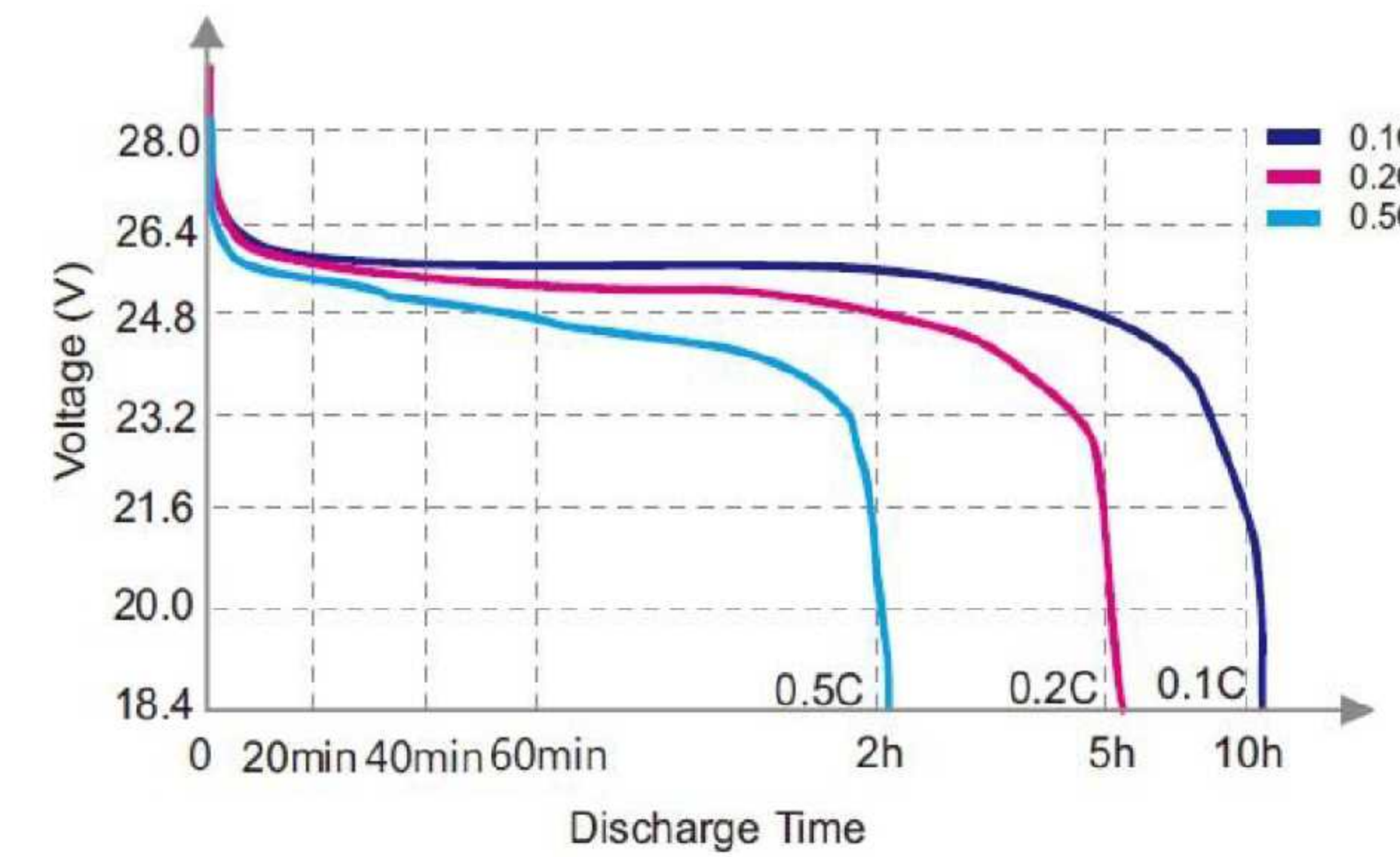
Specification

Basic Parameters	Rated Voltage	25.6V
	Rated Capacity	100Ah
	Rated Energy	2560wh
	Internal Resistance (AC)	≤50mΩ
	Cycle Life	≥3500 cycles @80%DOD
	Self Discharge	1%/months
	Efficiency of Charge	≥97%
	Efficiency of Discharge	≥98%
Charge	Charge Voltage	29.2V
	Charge Current (Recomm.)	20A
	Charge Current (Max.)	100A
Discharge	Discharge Cut-off Voltage	20V
	Discharge Current (Max.)	100A
	Pulse Current	120A (3S)
Environmental	Charge Temperature	0°C to 60°C
	Discharge Temperature	-20°C to 60°C
	Humidity	5% to 95%
Physical Characteristics	IP Class	IP30
	Terminal	M8
	Plastic Case	ABS
	Dimensions (in. /mm.)	522.5*238*220mm(±4mm)
	Weight (lbs. /kg.)	20kg
	Others(optional)	Bluetooth,Shell color,IP rating

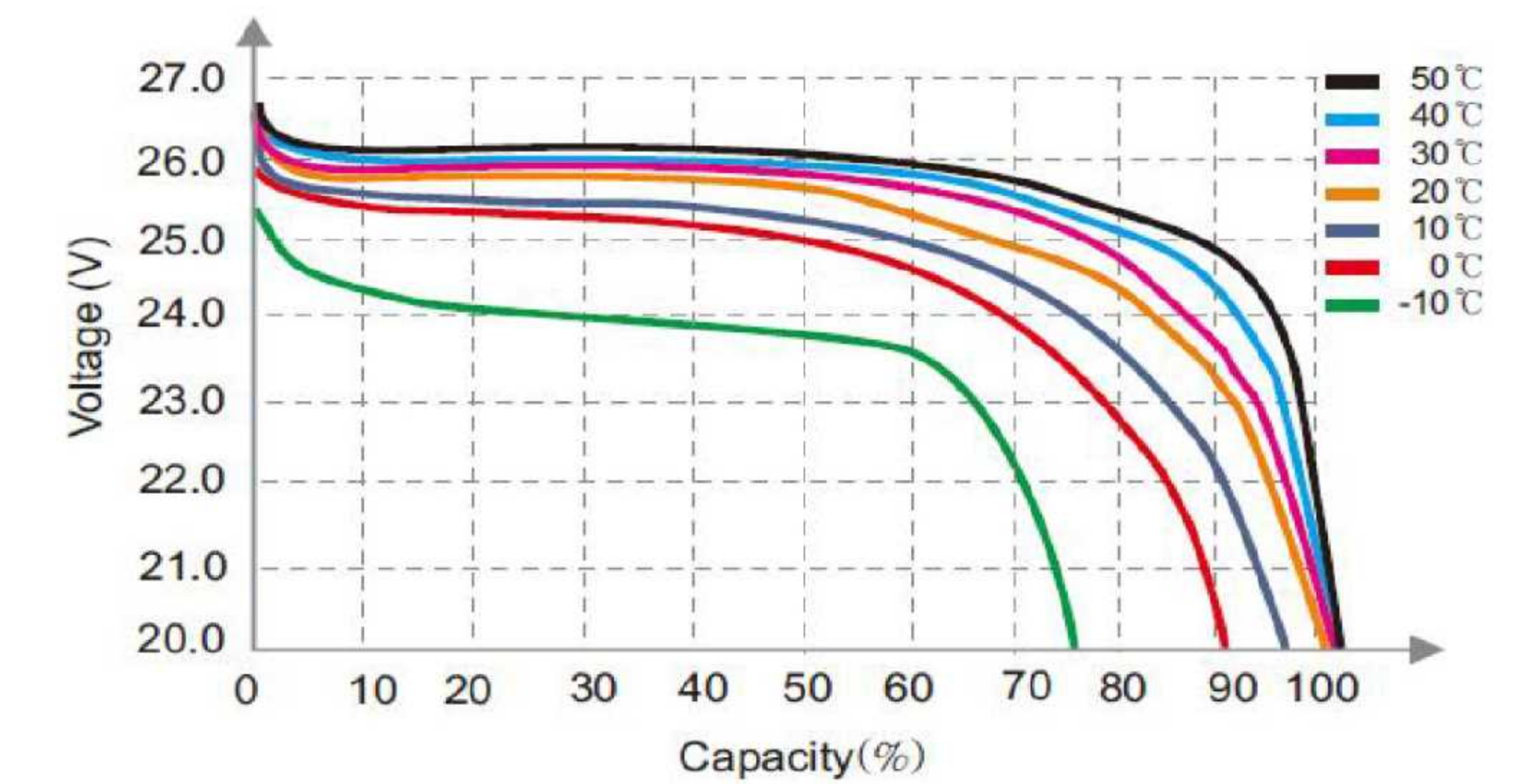
Lithium Iron (LiFePO₄) Battery

ALFP-24100(25.6V 100Ah)

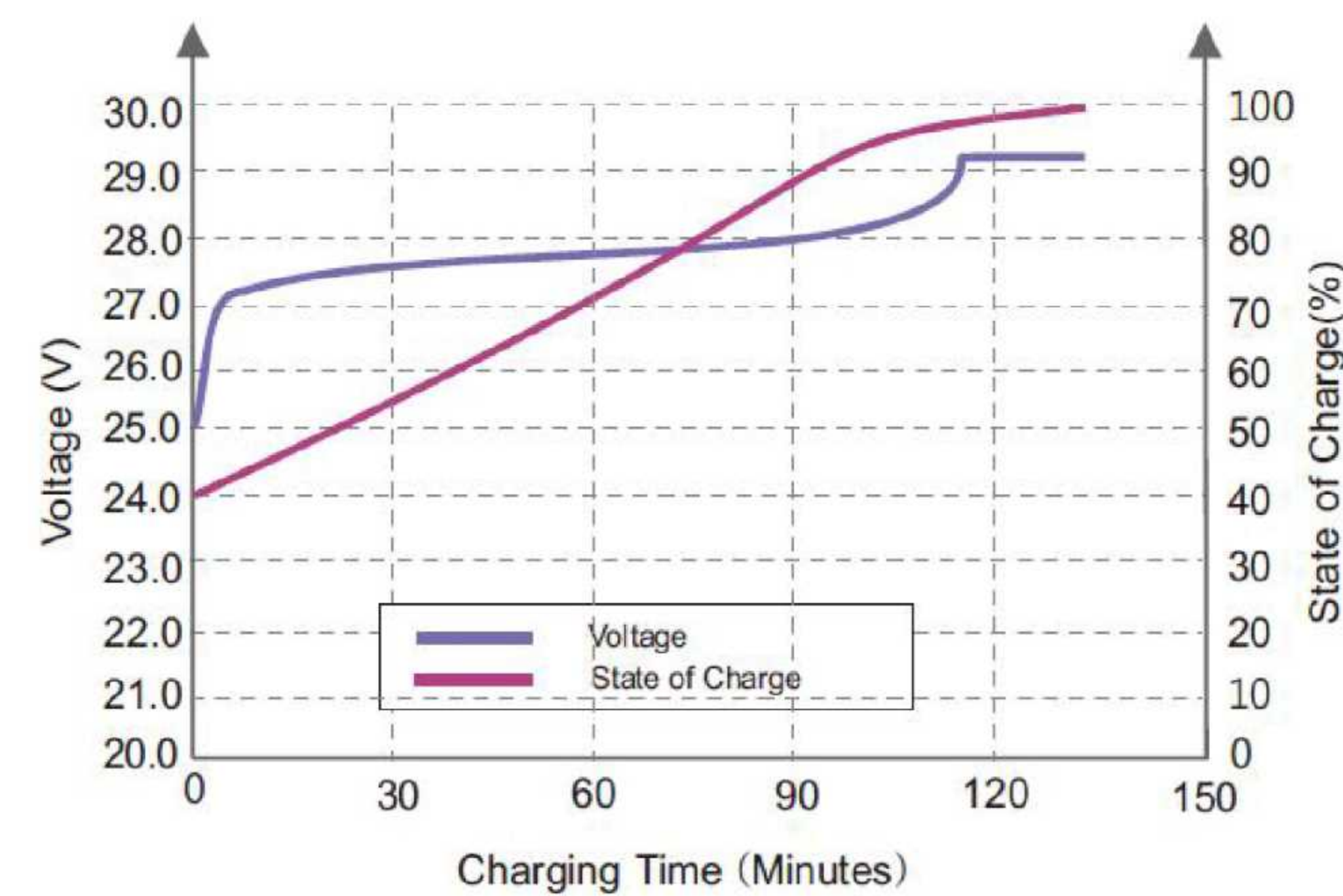
Different Rate Discharge Curve(25°C)



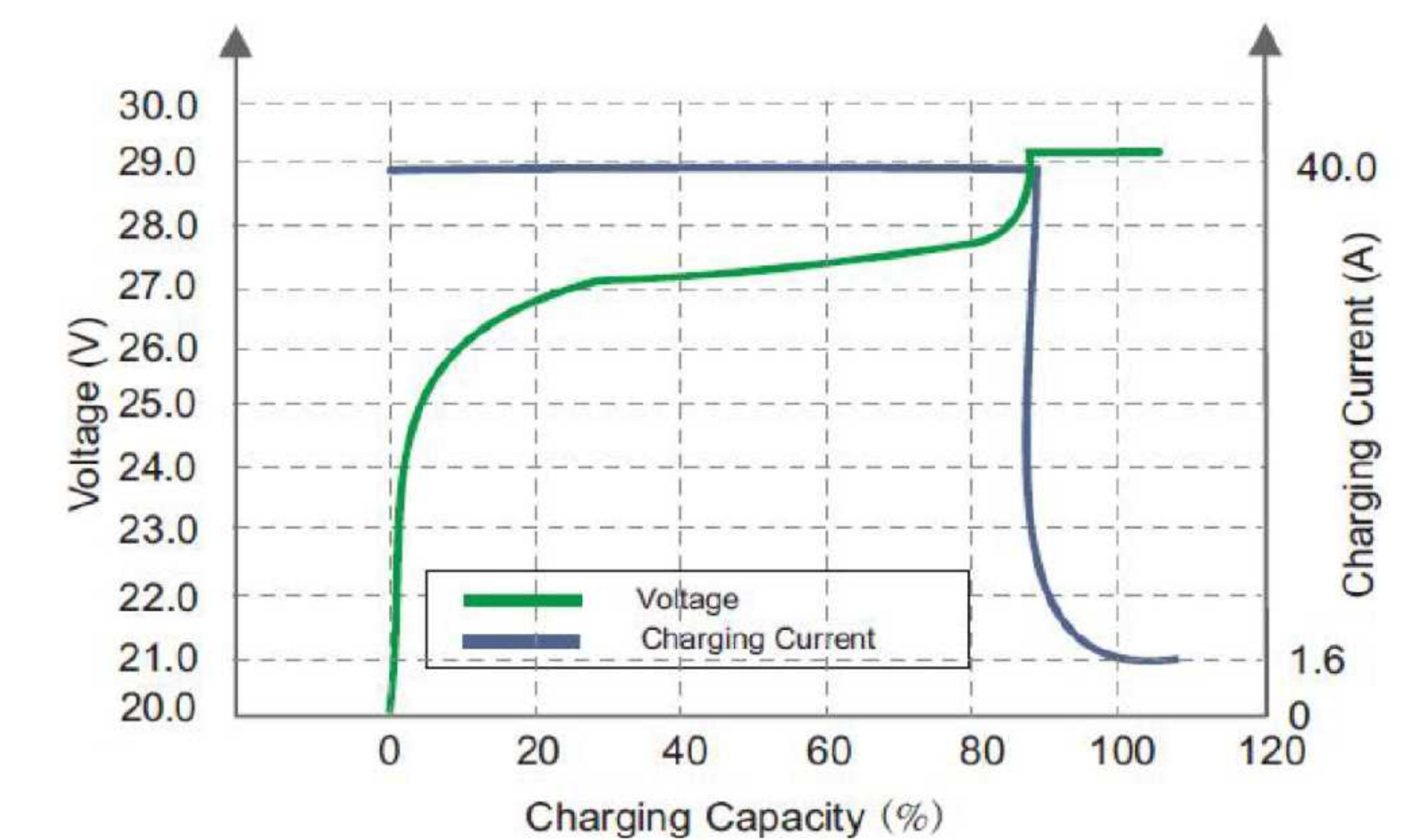
Different Temperature Discharge Curve(0.5C)



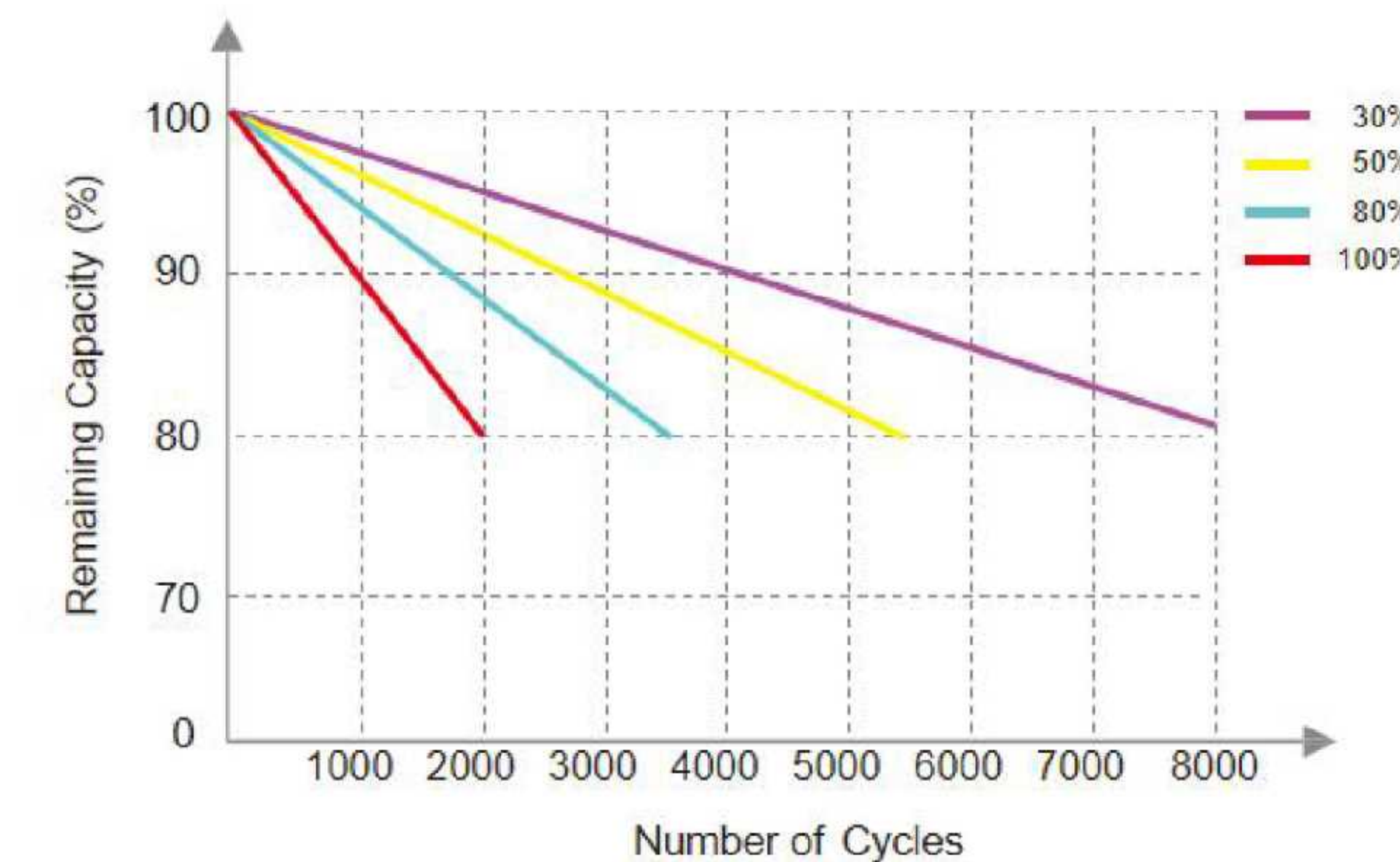
State of Charge Curve(0.2C, 25°C)



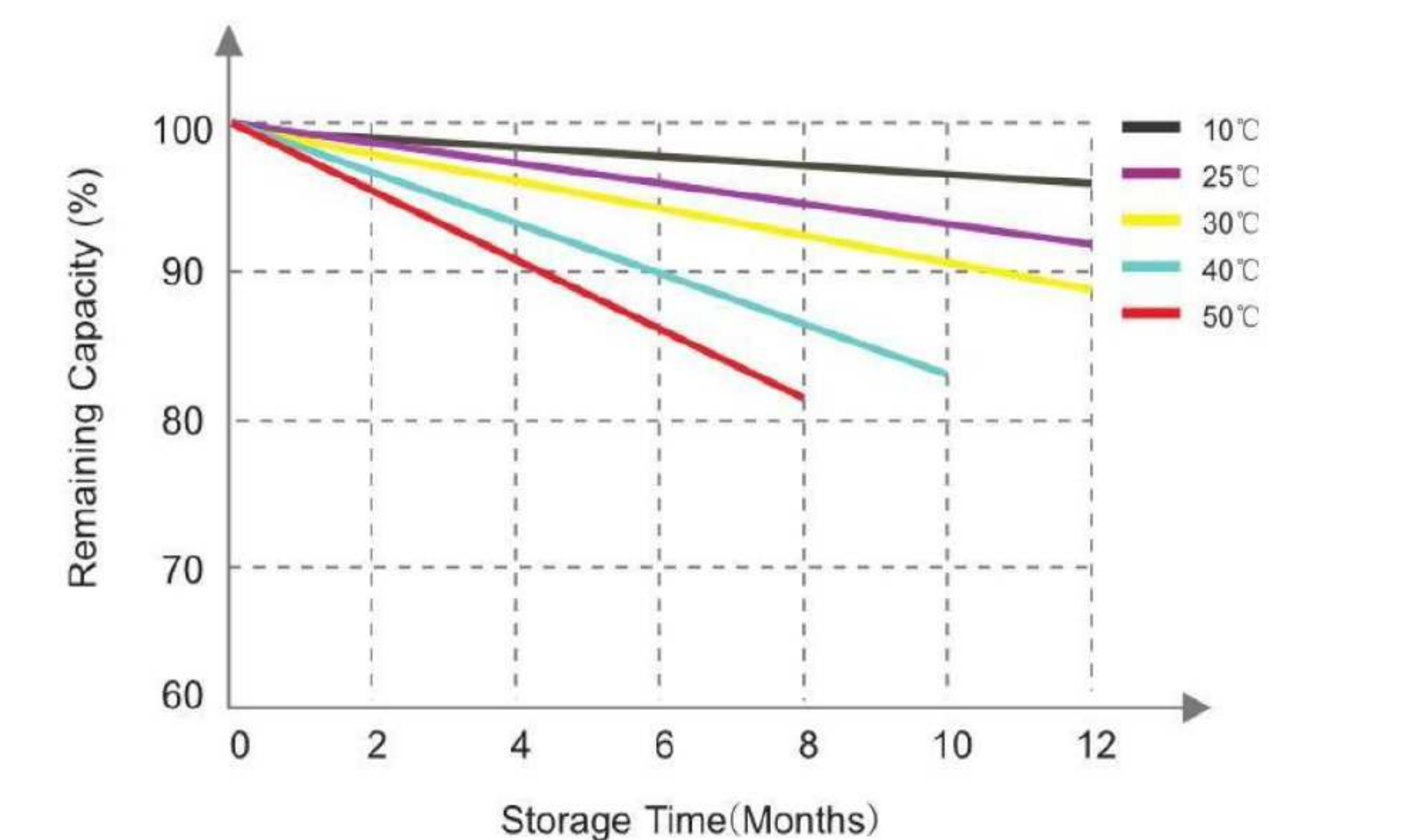
Charging Characteristics(0.2C, 25°C)



Different DOD Discharge Cycle Life Curve



Different Temperature Self Discharge Curve



Lithium Iron (LiFePO₄) Battery

ALFP-24200(25.6V 200Ah)

Features

Longer Cycle Life : Offer up to 10 times longer cycle life and five times longer float/calendar life than lead acid battery, helping it minimize replacement cost and reduce total cost of ownership.

Lighter Weight : About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.

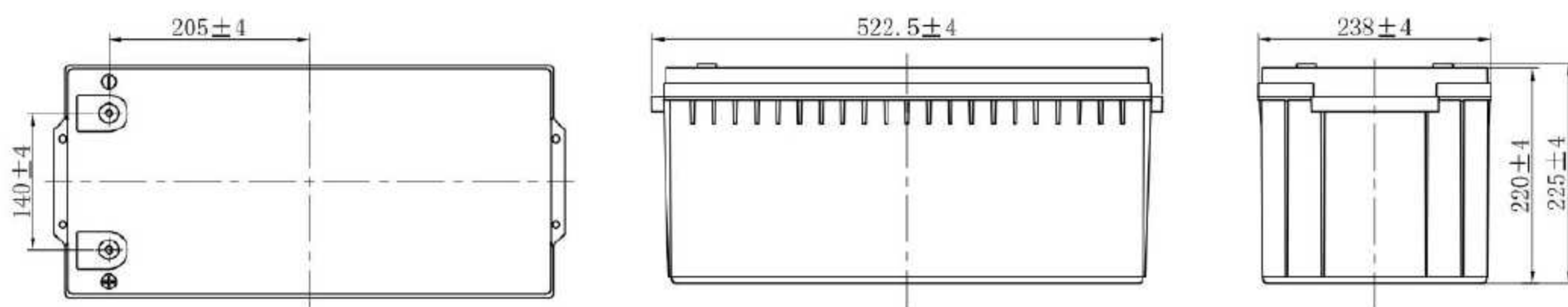
Higher Power : Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

Wider Temperature Range : -20~60°C

Superior Safety : Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.



Dimension-mm



Application

- Solar/Wind energy Storage
- Golf cart
- Back-up Power for UPS/EPS
- Tools

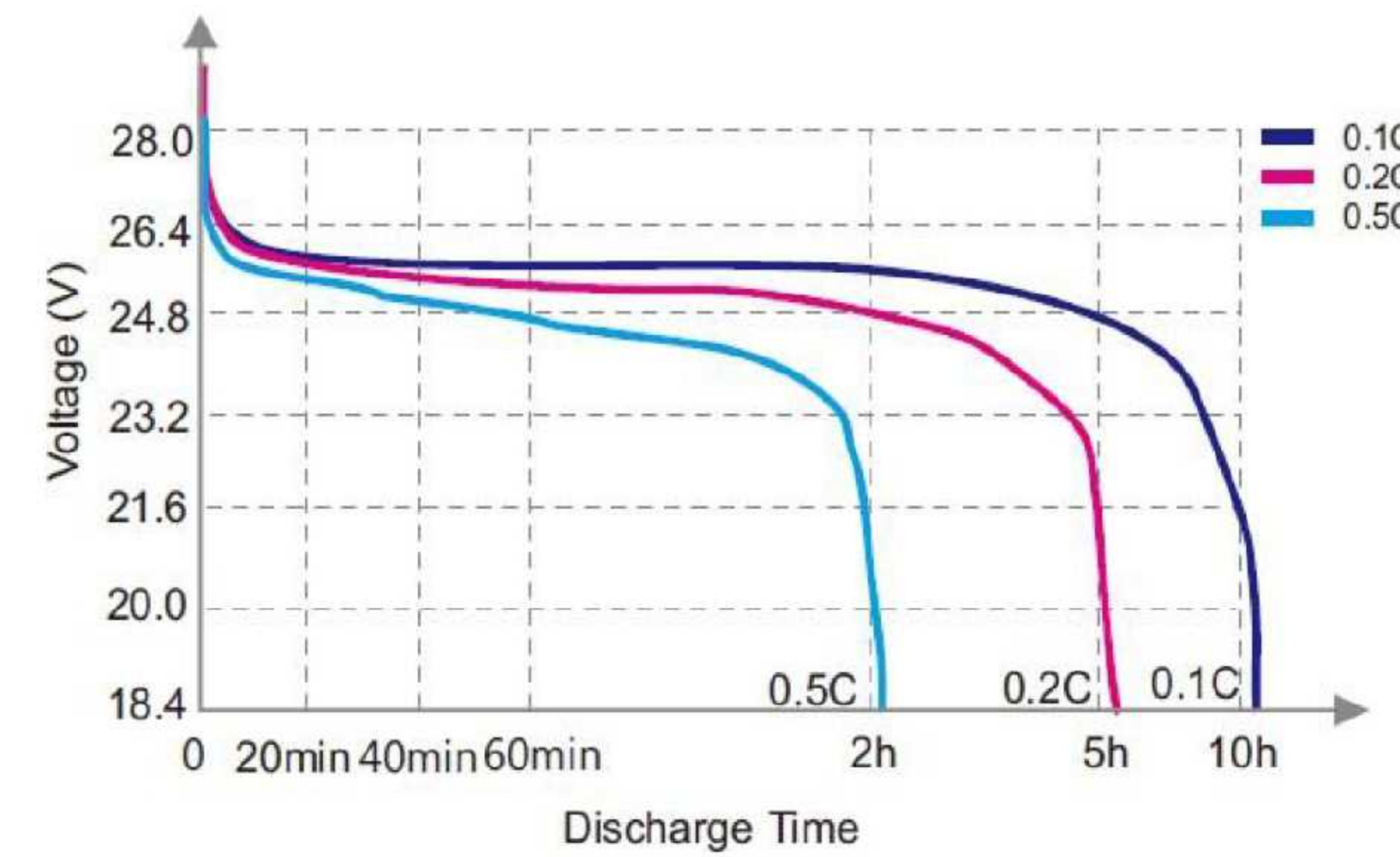
Specification

Basic Parameters	Rated Voltage	25.6V
	Rated Capacity	200Ah
	Rated Energy	5120wh
	Internal Resistance (AC)	≤50mΩ
	Cycle Life	≥3500 cycles @80%DOD
	Self Discharge	1%/months
	Efficiency of Charge	≥97%
	Efficiency of Discharge	≥98%
Charge	Charge Voltage	29.2V
	Charge Current (Recomm.)	40A
	Charge Current (Max.)	100A
Discharge	Discharge Cut-off Voltage	20V
	Discharge Current (Max.)	200A
	Pulse Current	220A (3S)
Environmental	Charge Temperature	0°C to 60°C
	Discharge Temperature	-20°C to 60°C
	Humidity	5% to 95%
Physical Characteristics	IP Class	IP30
	Terminal	M8
	Plastic Case	ABS
	Dimensions (in. /mm.)	522.5*238*220mm(±4mm)
	Weight (lbs. /kg.)	39kg
	Others(optional)	Bluetooth,Shell color,IP rating

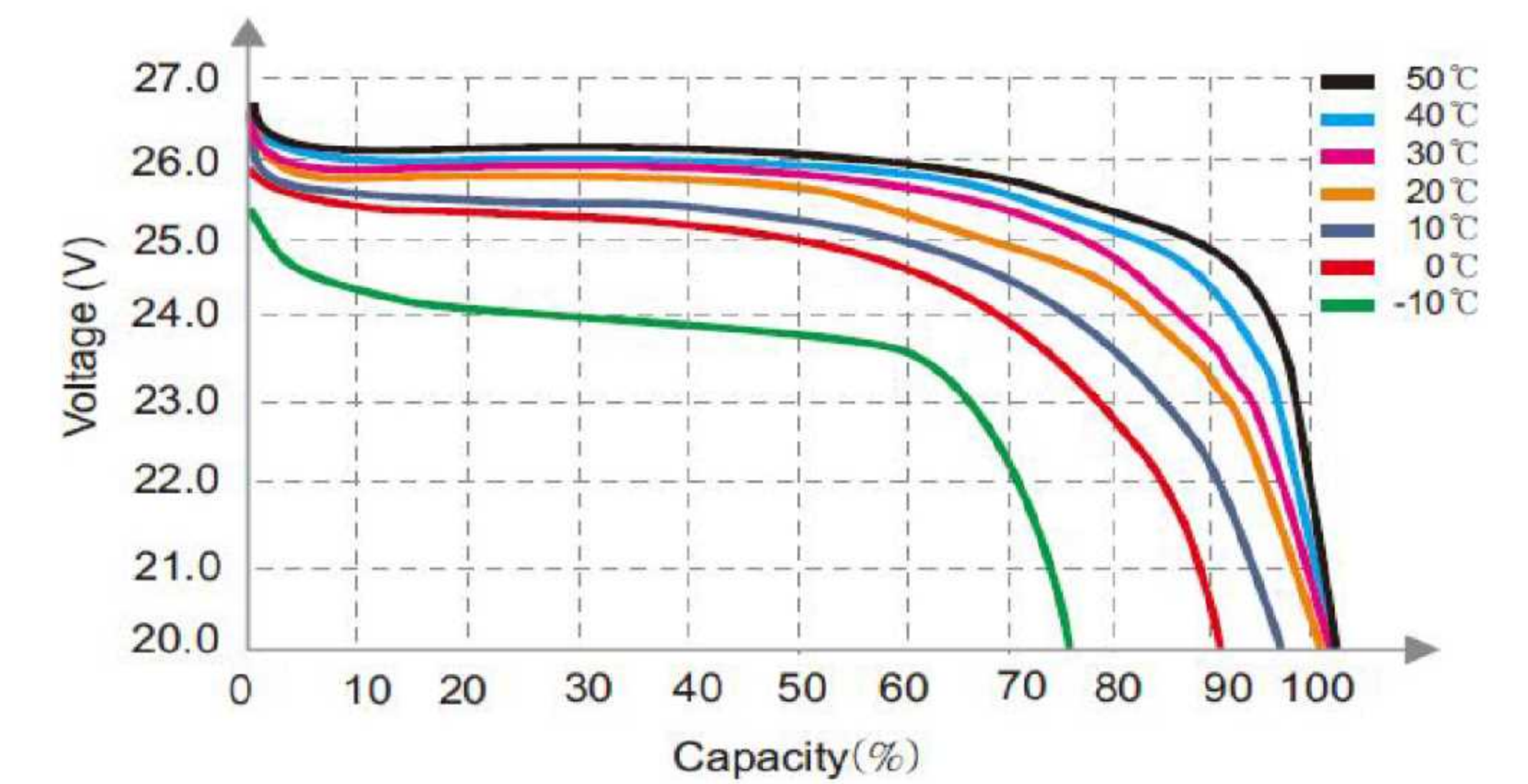
Lithium Iron (LiFePO₄) Battery

ALFP-24200(25.6V 200Ah)

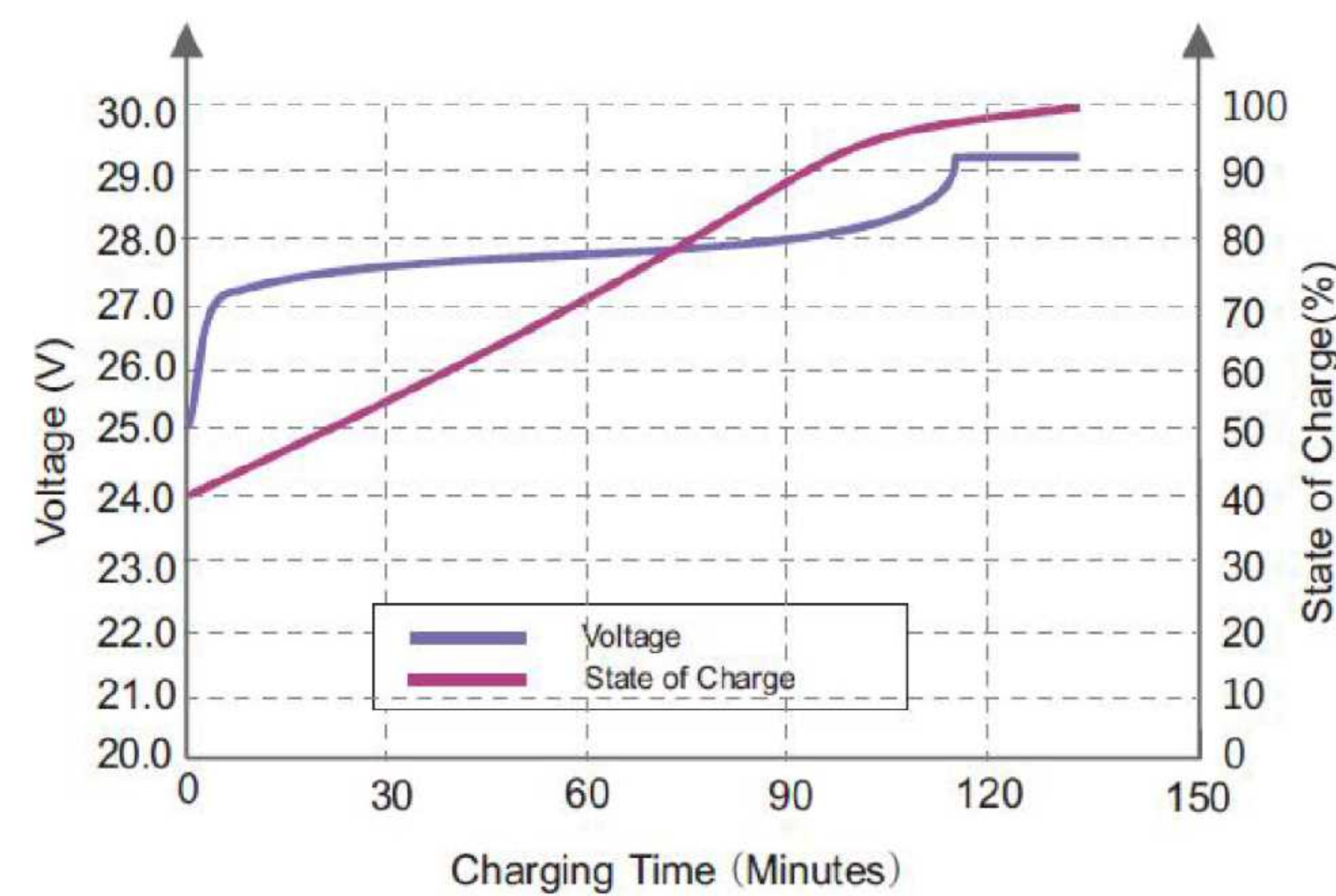
Different Rate Discharge Curve(25°C)



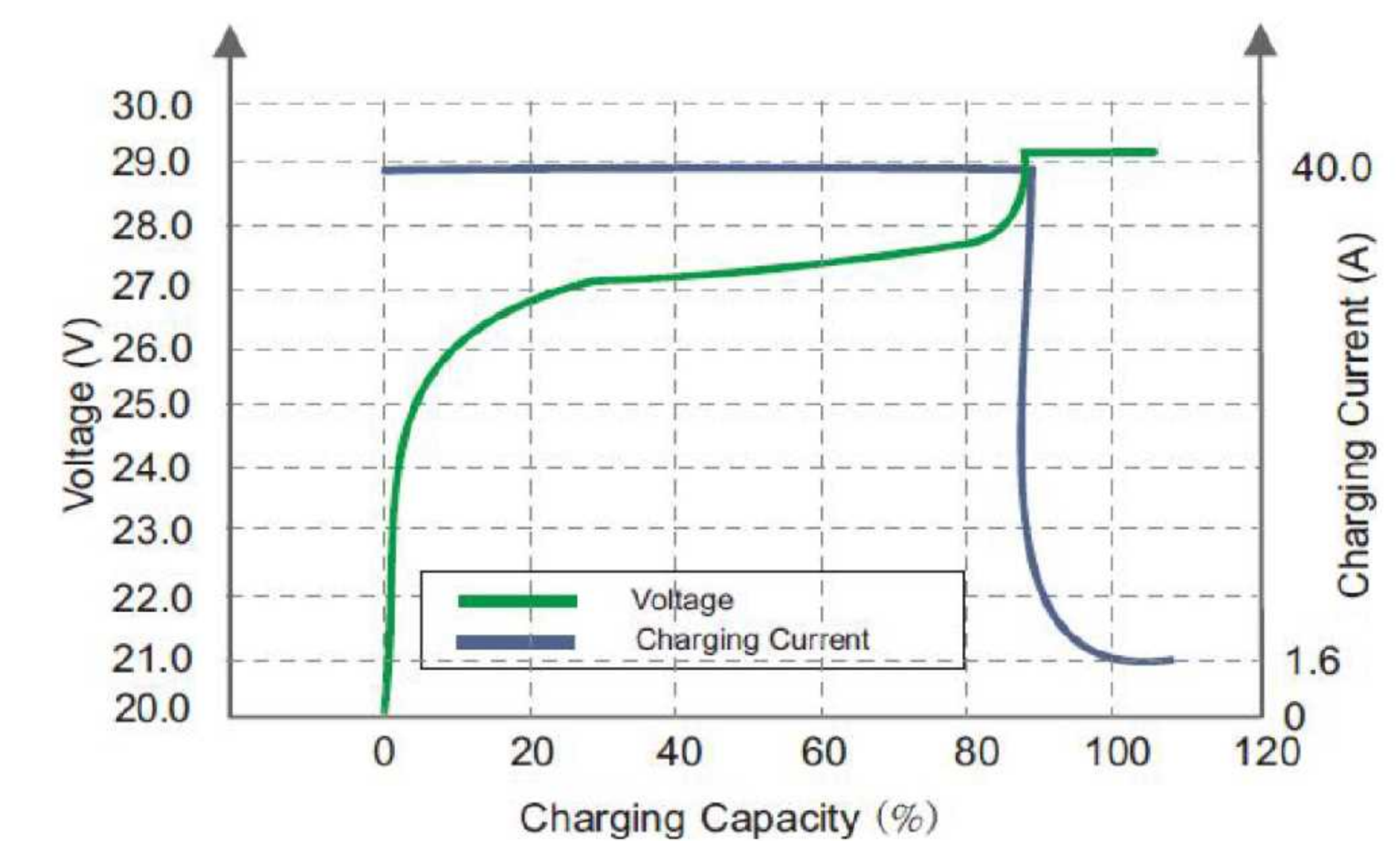
Different Temperature Discharge Curve(0.5C)



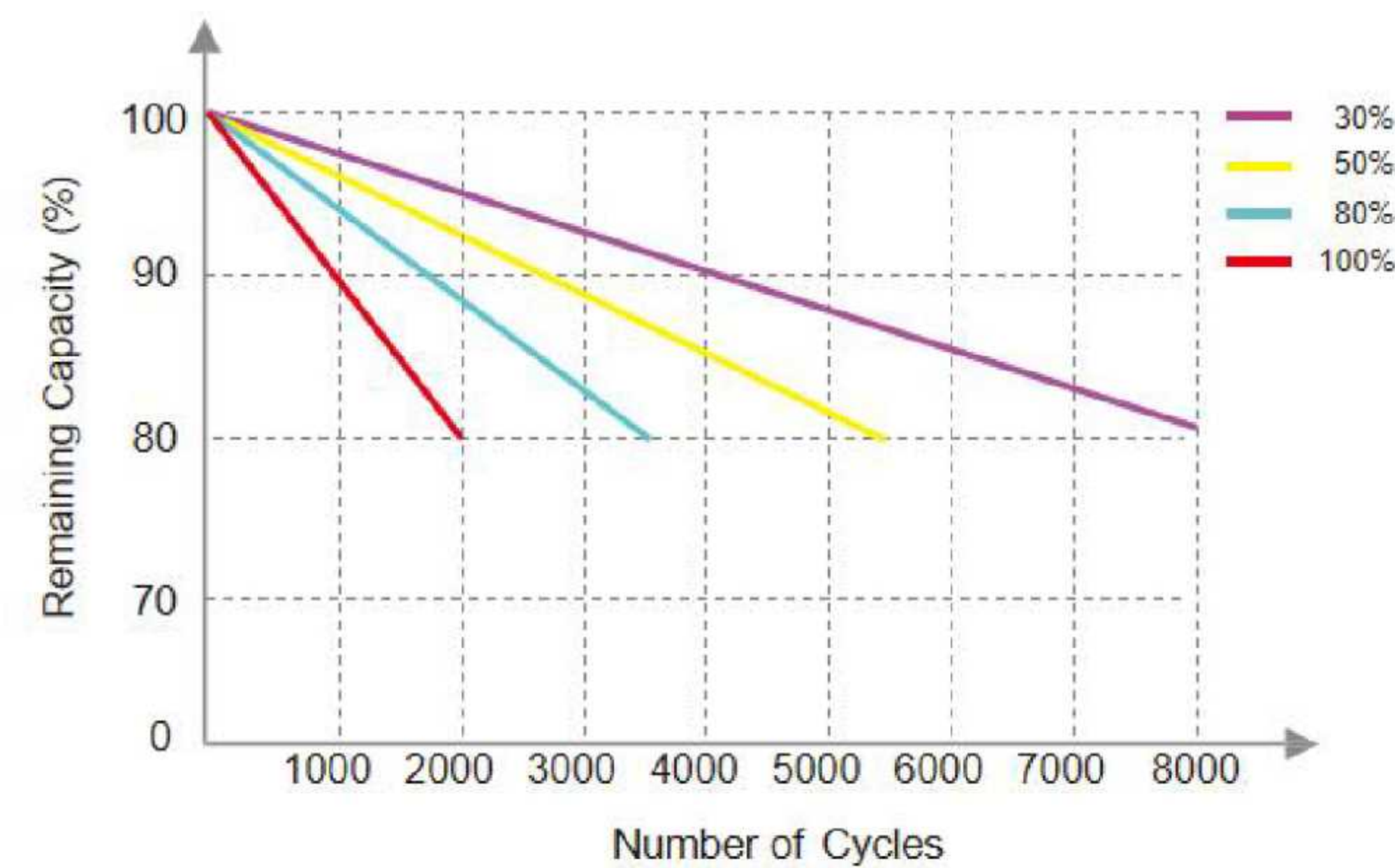
State of Charge Curve(0.2C, 25°C)



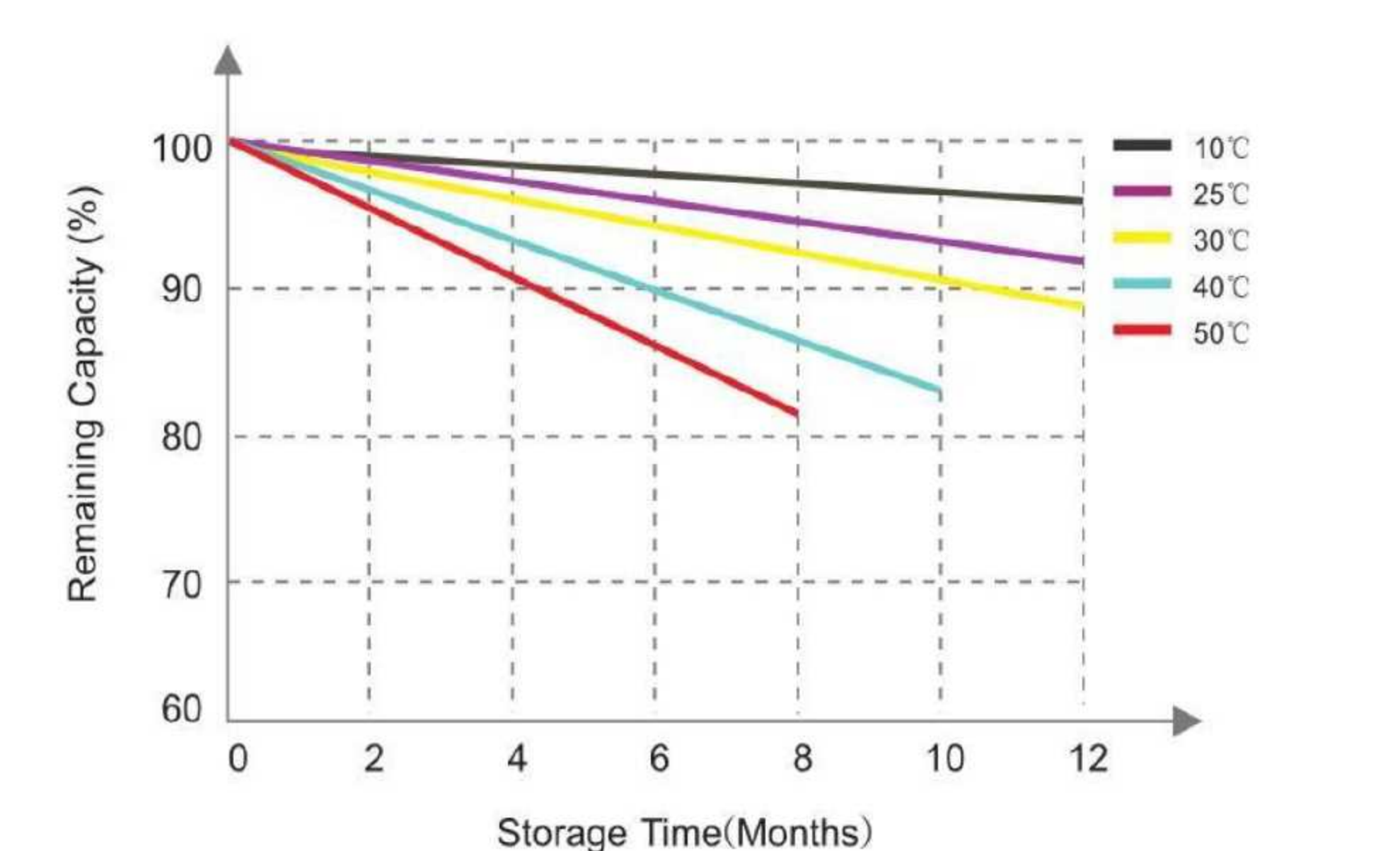
Charging Characteristics(0.2C, 25°C)



Different DOD Discharge Cycle Life Curve



Different Temperature Self Discharge Curve



Lithium Iron (LiFePO₄) Battery

ALFP-48100(51.2V 100Ah)

Features

Longer Cycle Life : Offer up to 10 times longer cycle life and five times longer float/calendar life than lead acid battery, helping it minimize replacement cost and reduce total cost of ownership.

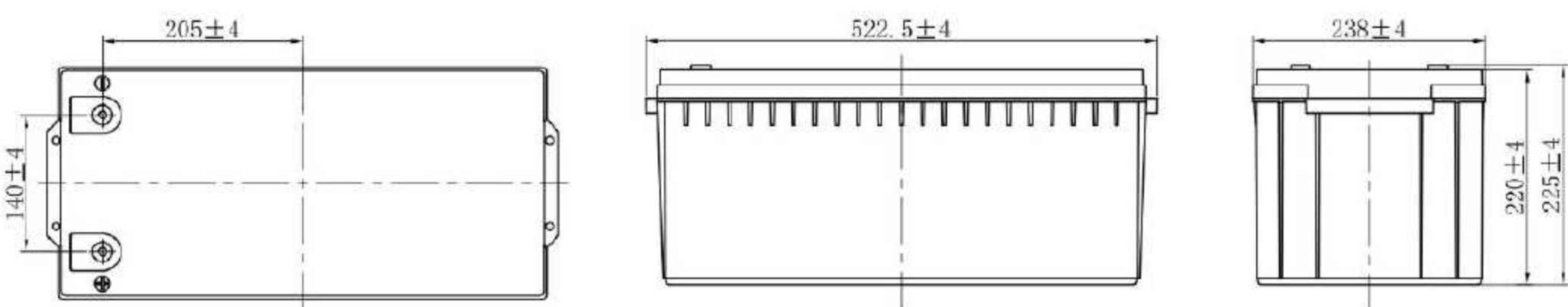
Lighter Weight : About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.

Higher Power : Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

Wider Temperature Range : -20~60°C

Superior Safety : Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.

Dimension-mm



Application

- Solar/Wind energy Storage
- Golf cart
- Back-up Power for UPS/EPS
- Tools

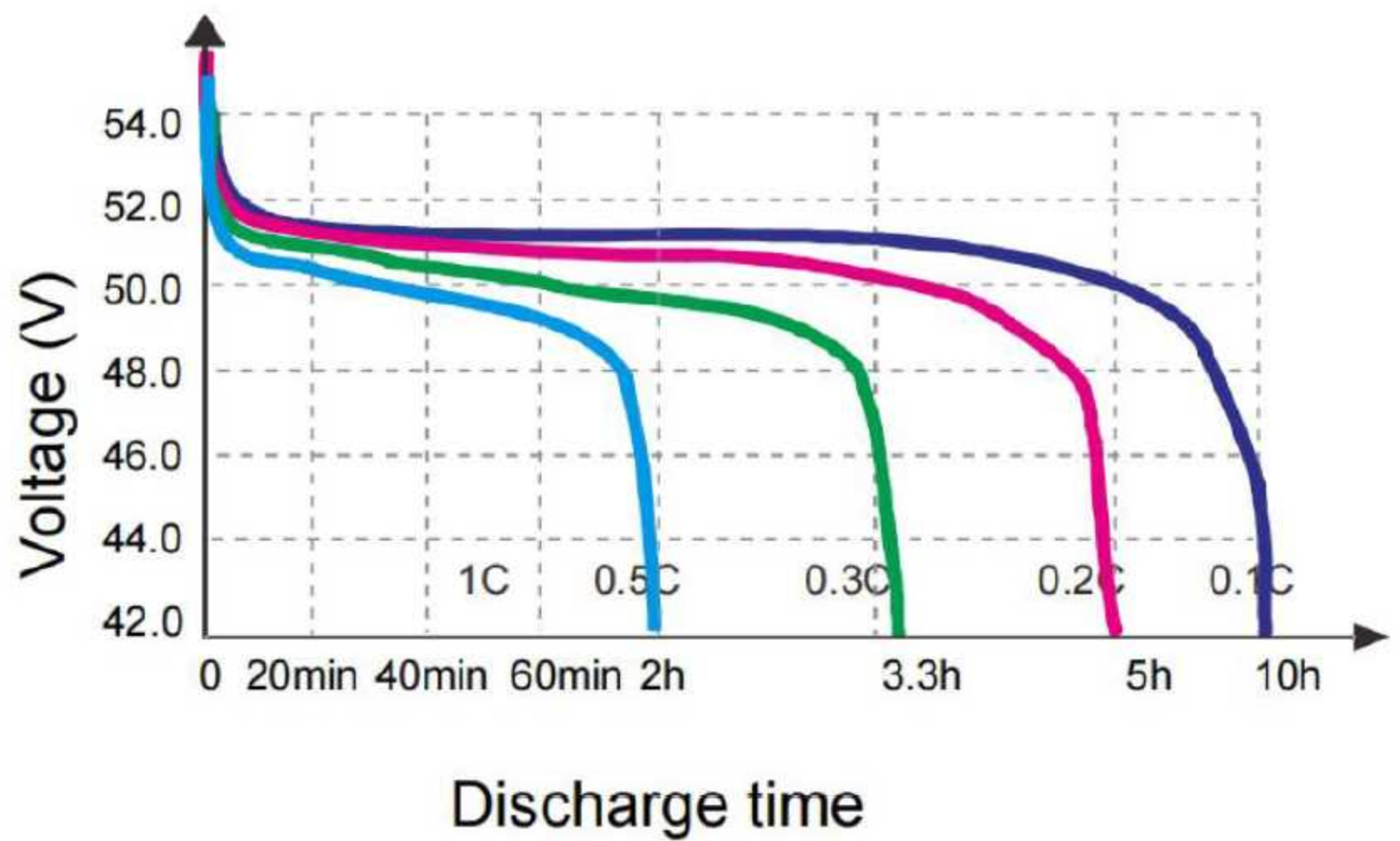
Specification

Basic Parameters	Rated Voltage	51.2V
	Rated Capacity	100Ah
	Rated Energy	5120wh
	Internal Resistance (AC)	≤50mΩ
	Cycle Life	≥3500 cycles @80%DOD
	Self Discharge	1%/months
	Efficiency of Charge	≥97%
	Efficiency of Discharge	≥98%
Charge	Charge Voltage	57.6V
	Charge Current (Recomm.)	20A
	Charge Current (Max.)	100A
Discharge	Discharge Cut-off Voltage	43.2V
	Discharge Current(Recomm.)	50A
	Pulse Current	120A(3S)
Environmental	Charge Temperature	0°C to 60°C
	Discharge Temperature	-20°C to 60°C
	Humidity	5% to 95%
Physical Characteristics	IP Class	IP30
	Terminal	M8
	Plastic Case	ABS
	Dimensions (in. /mm.)	522.5*238*220mm(±4mm)
	Weight (lbs. /kg.)	36.5kg
	Others(optional)	Bluetooth,Shell color,IP rating

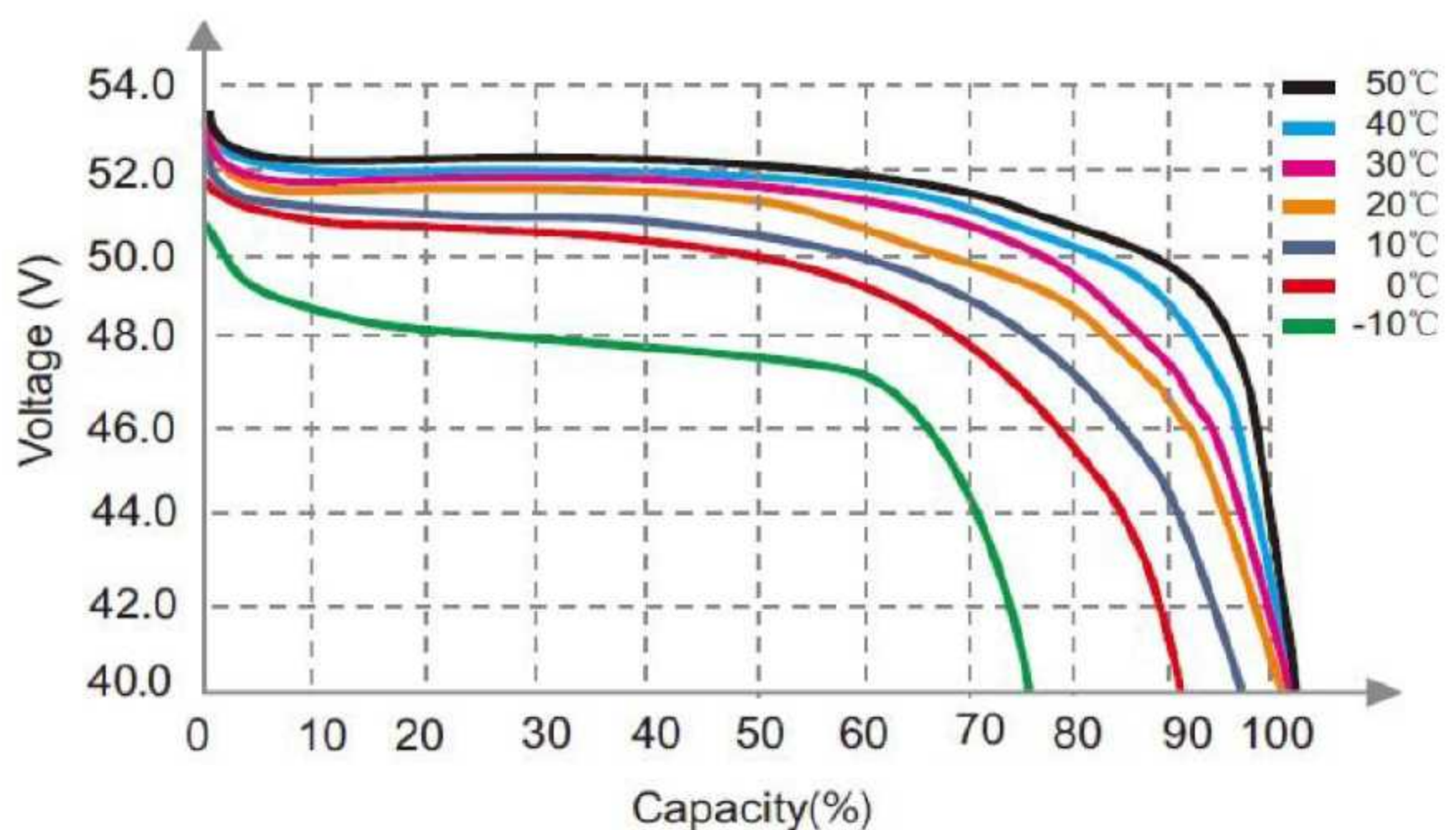
Lithium Iron (LiFePO₄) Battery

ALFP-48100(51.2V 100Ah)

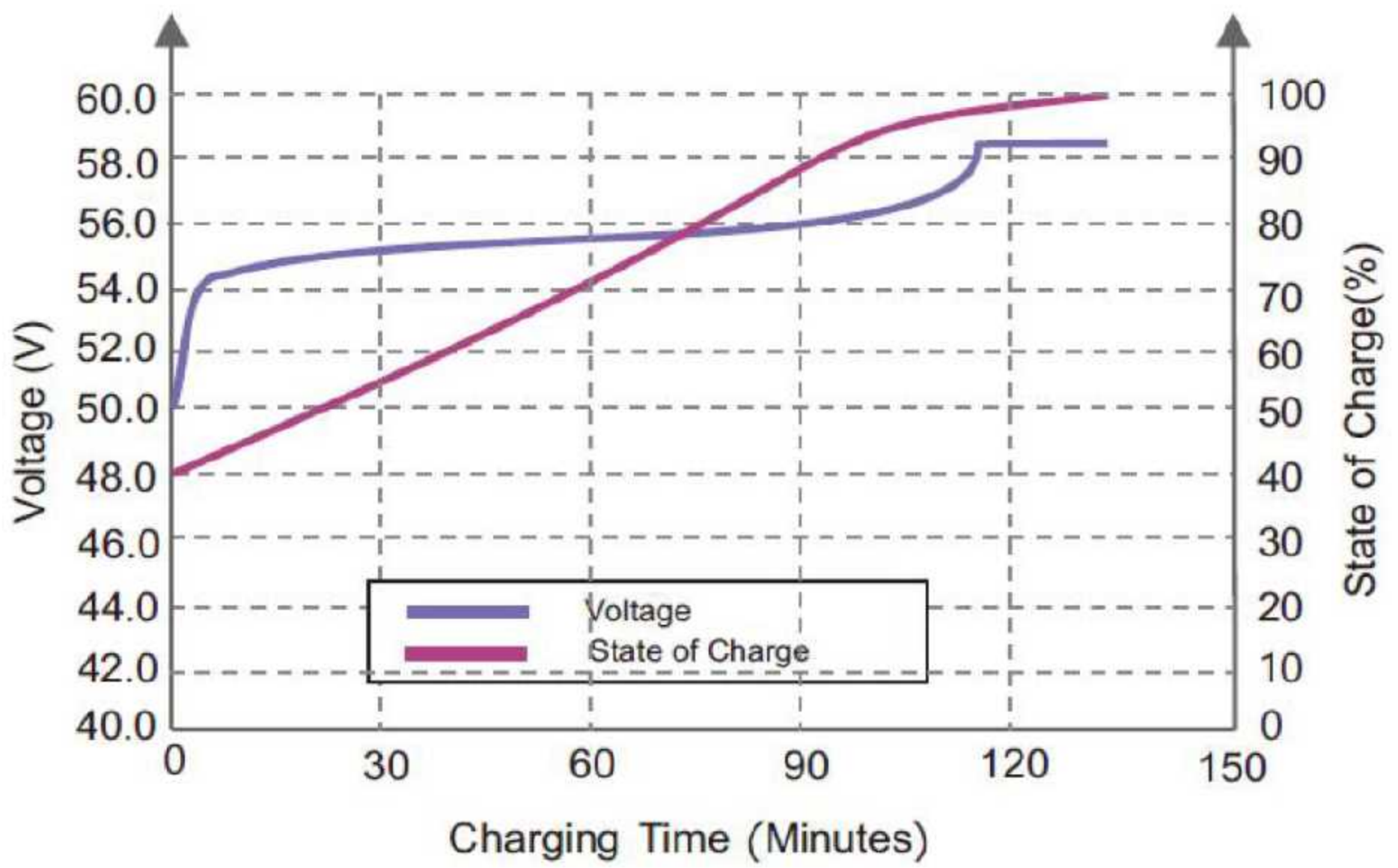
Different Rate Discharge Curve(25°C)



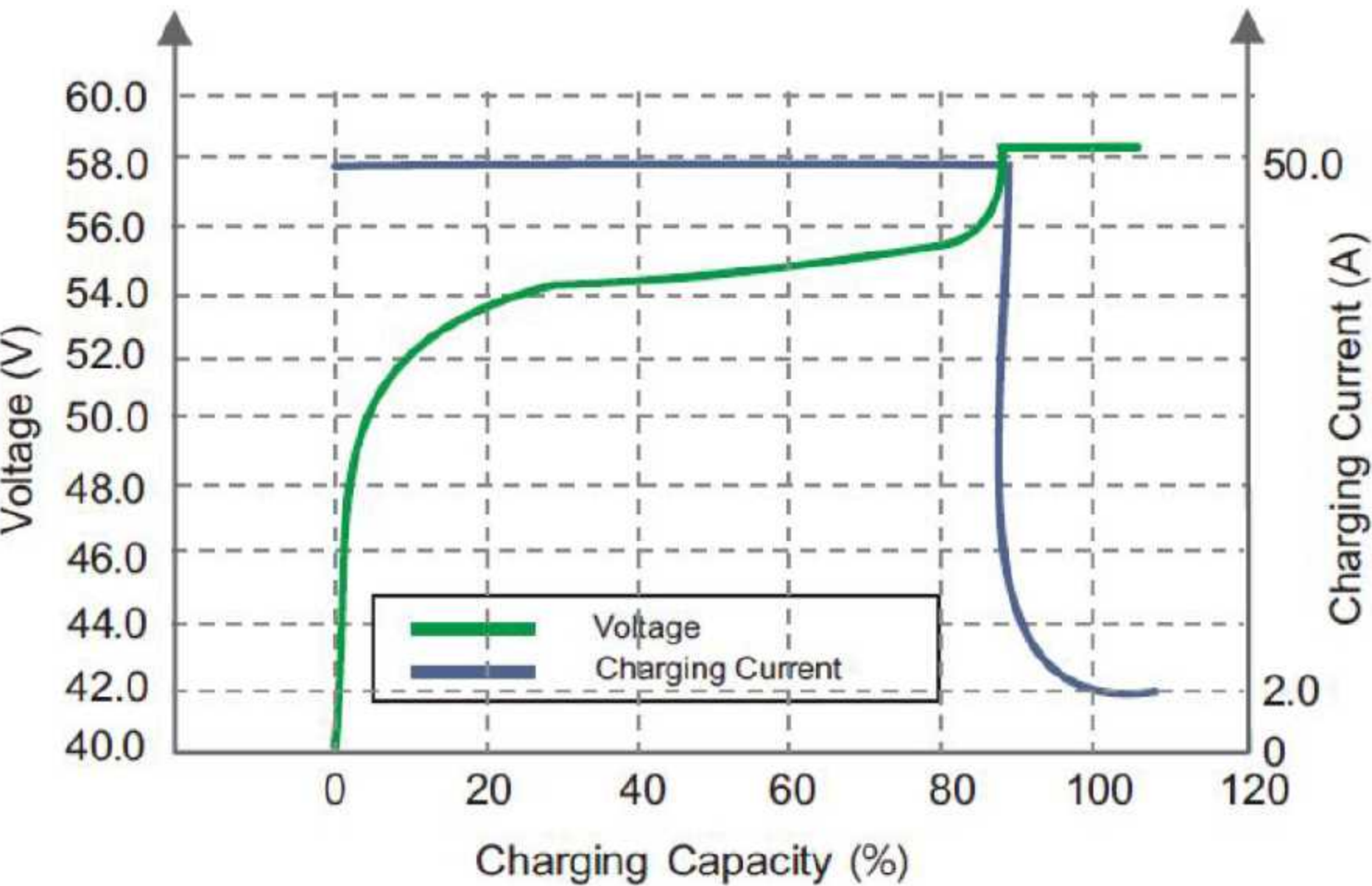
Different Temperature Discharge Curve(0.5C)



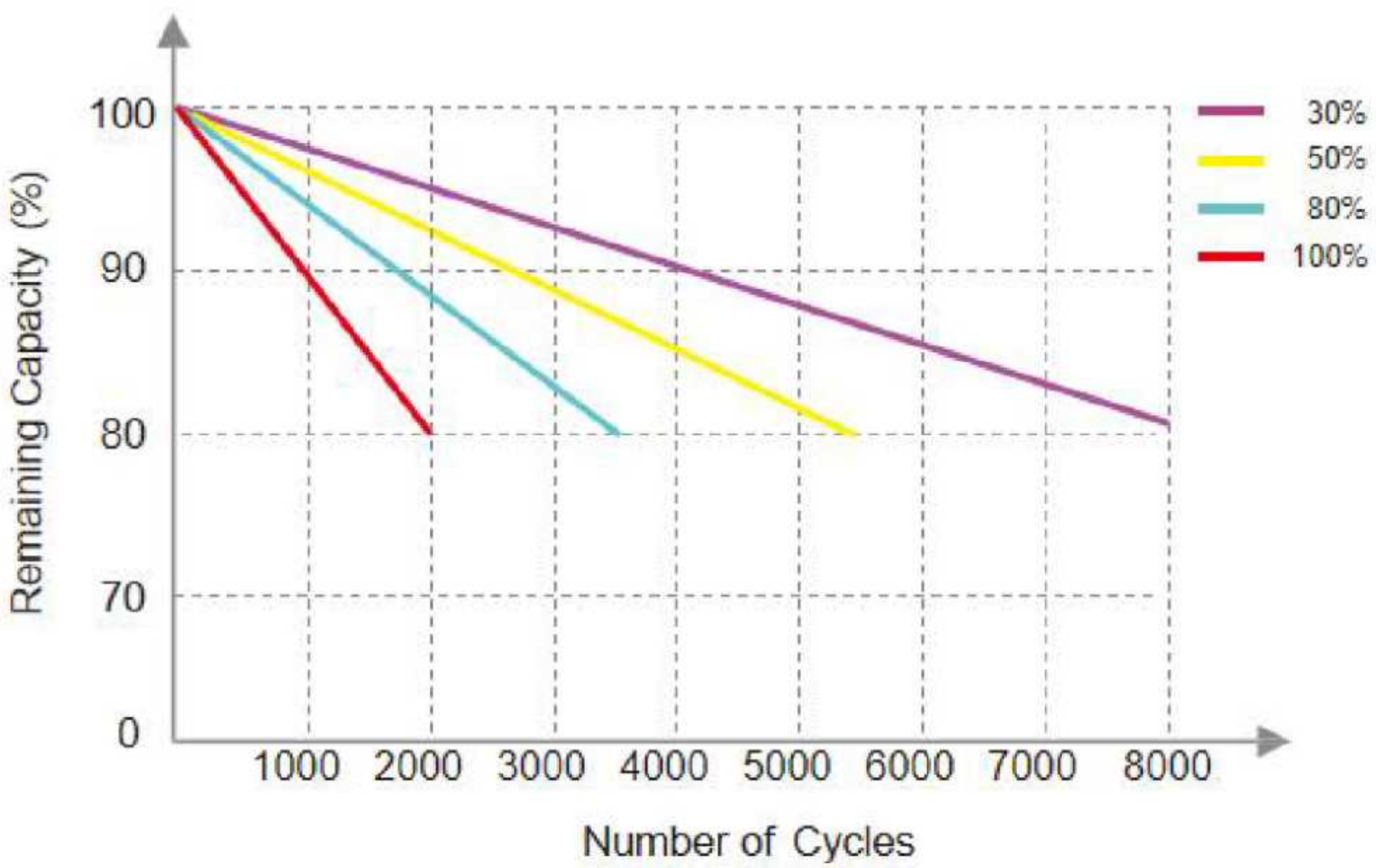
State of Charge Curve(0.2C, 25°C)



Charging Characteristics(0.2C, 25°C)



Different DOD Discharge Cycle Life Curve



Different Temperature Self Discharge Curve

