



Lithium Iron, LiFePO₄

EGYO-HWMS1024

10.24 kWh

200Ah

IP64

8000 Cycles



Household wall-mounted energy storage system

EGYO-HWMS

The HWMS series is an energy storage battery system that stores solar-produced energy and is the perfect complement to residential solar systems and ideal for smart energy management and back-up energy. It offers a single product capacity range from 5kWh to 10kWh, and can be additionally paralleled for expansion, providing comprehensive energy storage options to meet demanding system requirements. These self-test modules that can be paralleled make the installation and maintenance of the system particularly simple. At the same time, the reliable Lithium Iron Phosphate (LFP) battery technology ensures maximum safety and a longer life cycle.



Floor/Wall-mount



Expandable



LiFePO₄ Battery



15-year Design Life

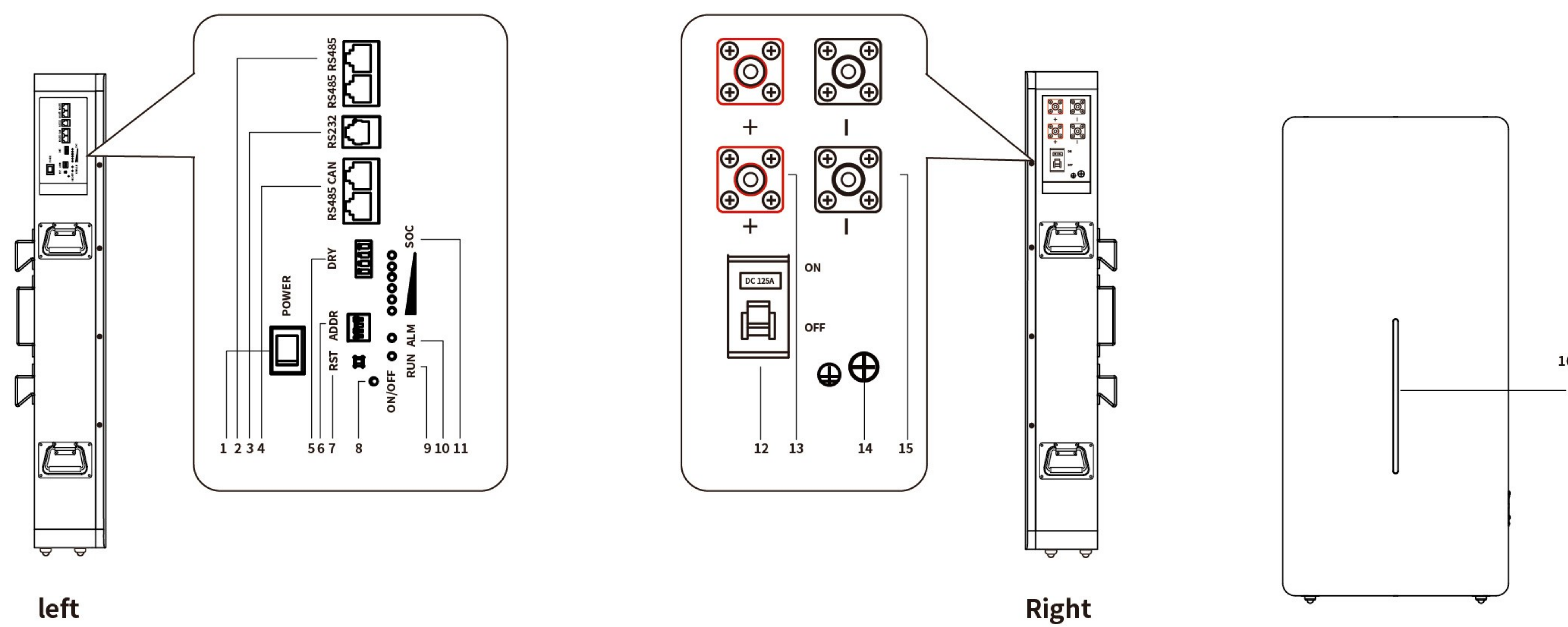
Electrical Specifications

Battery Type	Lithium Iron Phosphate (LiFePO4)
Rated Battery Voltage	51.2 V (16 S)
Rated Battery Capacity	200 Ah
Rated Battery Energy	10.24 kWh
Charge Cut-off Voltage	57.6 V
Discharge Cut-off Voltage	40 V
Standard Charging Current	100 A
Standard Discharging Current	100 A
Overcharge Alarm&Protection(cell)	3.6 V , 3.65 V
Overcharge Alarm&Protection(system)	56.8 V , 58.4 V
Overdischarge Alarm&Protection(cell)	2.7 V , 2.5 V
Overdischarge Alarm&Protection(system)	43.2 V , 40 V
Overcharge Protection Current	60 A
Over-discharge Protection Current	110 A
Charging Short Circuit Protection	YES
Discharge Short Circuit Protection	YES
High Temperature Charging Protection Temperature	55 °C
Low Temperature Charging Protection Temperature	5 °C
High Temperature Discharging Protection Temperature	60 °C
Low Temperature Discharging Protection Temperature	- 20 °C
Operating Power	≤ 55 mA
Static Power	≤ 380 uA
Other Protections	Reverse polarity protection, DC surge protection, etc. (optional)
Human-computer Interaction	LCD Display/MOTTCELL APP
Communication Method	"Wi-Fi/Wi-Fi LAN/4G CAN/RS485"
Service Life	8000 次 50% DOD 25°C/77°F
Warranty	10 Years(5+5)
Max. Parallels	16 PCS
Compatible Inverter	Sunshine, Huawei, Goodway, Growatt, Megarevo, Sofarsolar, SRNE, etc.

COMPLIANCE

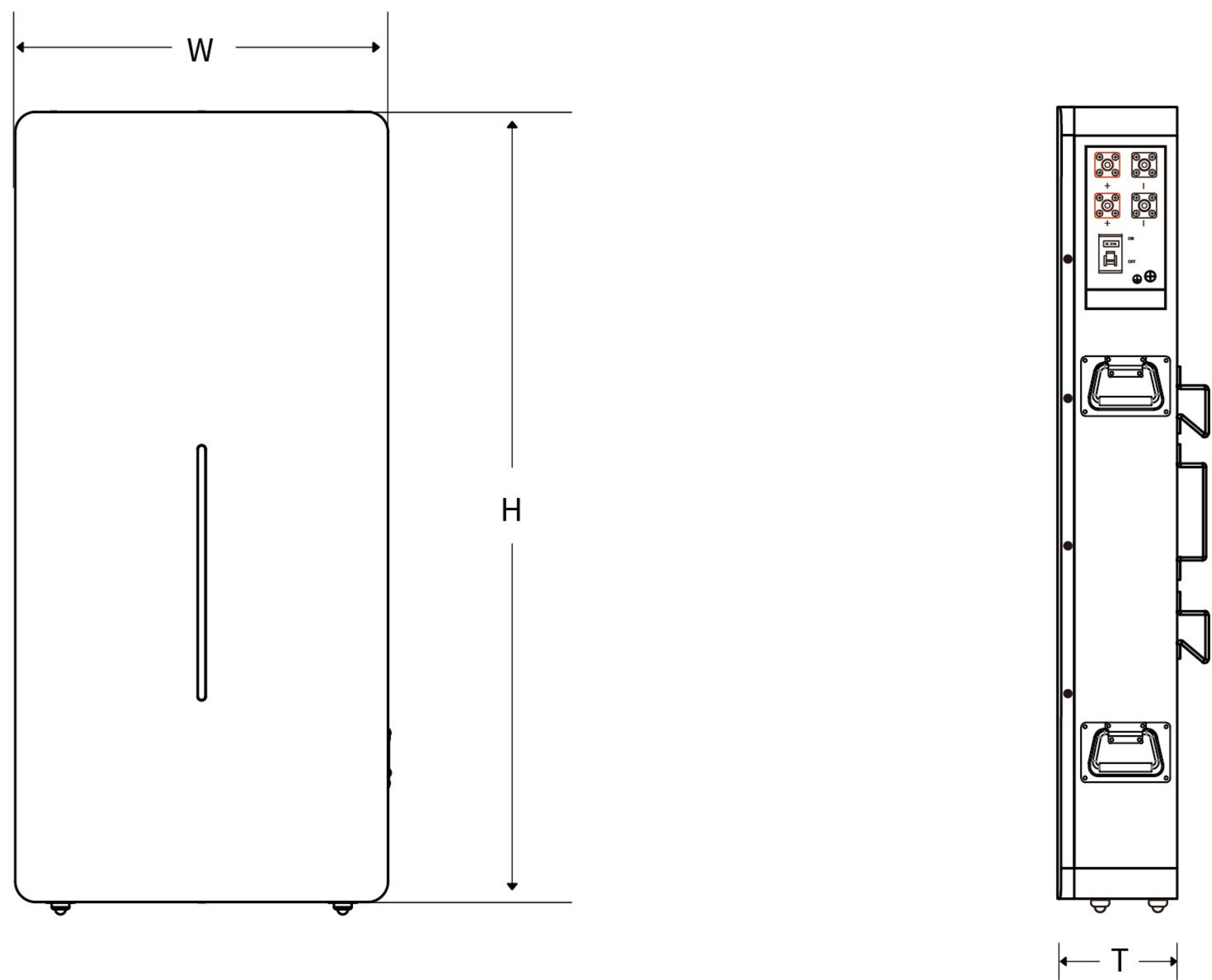
Battery	UL1642, UL1973, UN38.3, IEC62619, CE
Environmental	RoHS Directive 2011/65/EU
Seismic	AC 156, IEEE 693-2005 (high)

PANEL SPECIFICATION



NAME	DESCRIPTION
1 Switch	Trun on/off the battery power system
2 2 x RS485	Internal communication between batteries
3 RS232	Maintenance port
4 CAN/485	Communication between inverter and battery
5 DRY	Dry contact
6 ADDR	Applicated for parallel, consists of 4 binary switches
7 RST	Tap and hold for 10s to reboot when meet system bug
8 Switch indicate light	Flash green light: discharging/standby Steady greed light: charging
9 RUN	Green LED light indicates system runing status
10ALM	Red LED light indicates system alarm
11SOC	State of Charging, each light equals 16.7% SOC
12Breaker	Over current protection 125A
132 x Positive Port (+)	M6 100A 16mm ²
14GND	Ground connect
152 x Negative Port (-)	M6 100A 16mm ²
16Lights	Running\CautionWarning\SOC

STRUCTURAL SPECIFICATION



Dimension

H960*W453*T149 mm
H37.8*W17.8*T5.87 in

Weight

85Kg

Installation

Wall-mount/Floor

OPERATING ENVIROMENT

Operating Temperature

-20 ~ 50°C (-4 ~ 122°F)

Recommended Temperature

0 ~ 50°C (32 ~ 122°F)

Operating Humidity

0 ~ 95% no condensing

Storage Condition

-20 ~ 30°C (-4 ~ 86°F) 0 ~ 95% RH no condensing, SOE: 25 %

Max. Elevation

2000m (6561 ft)

Indoor/Outdoor

Indoor

Enclosure Rating

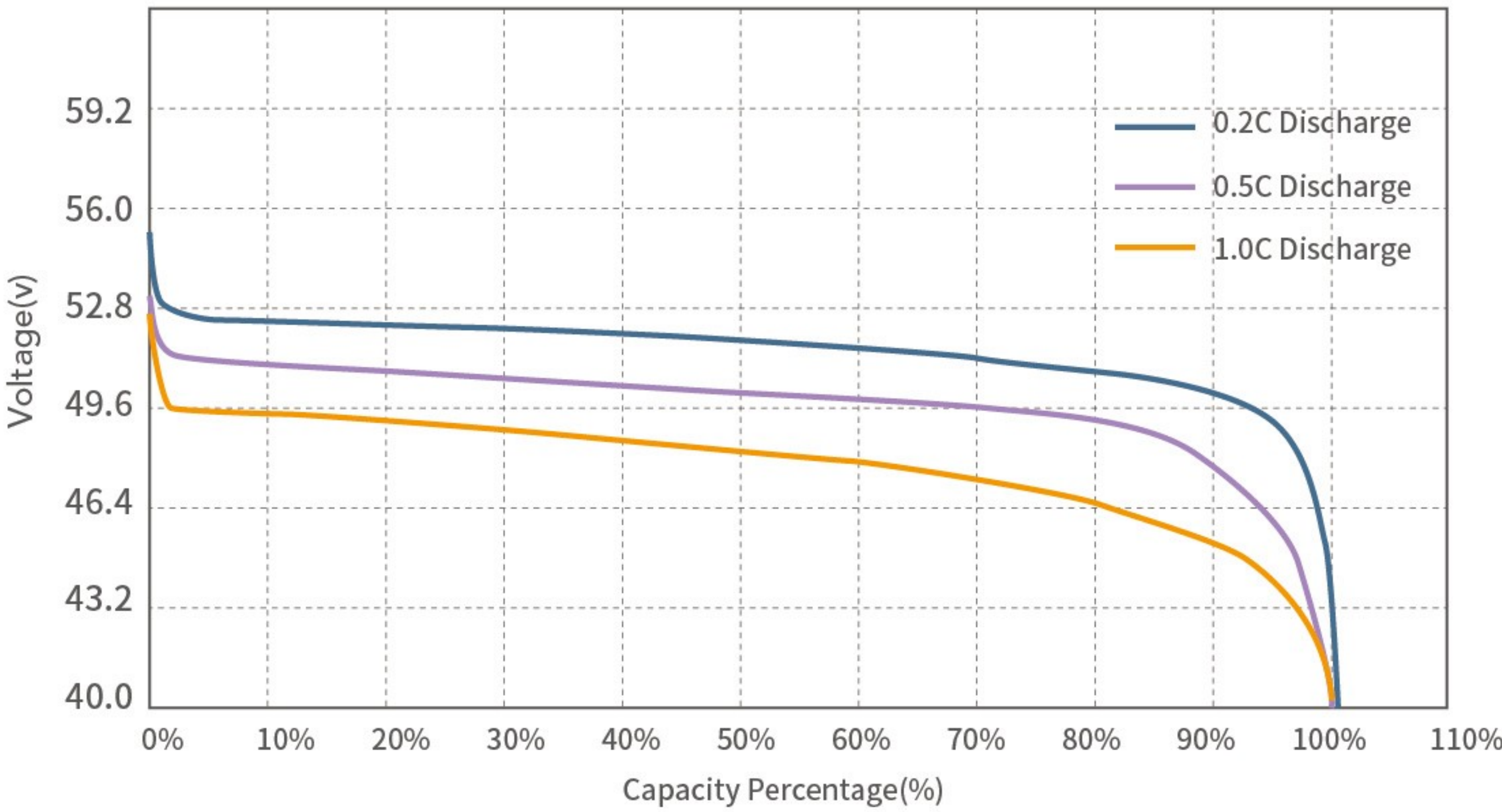
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Noise Level@1m

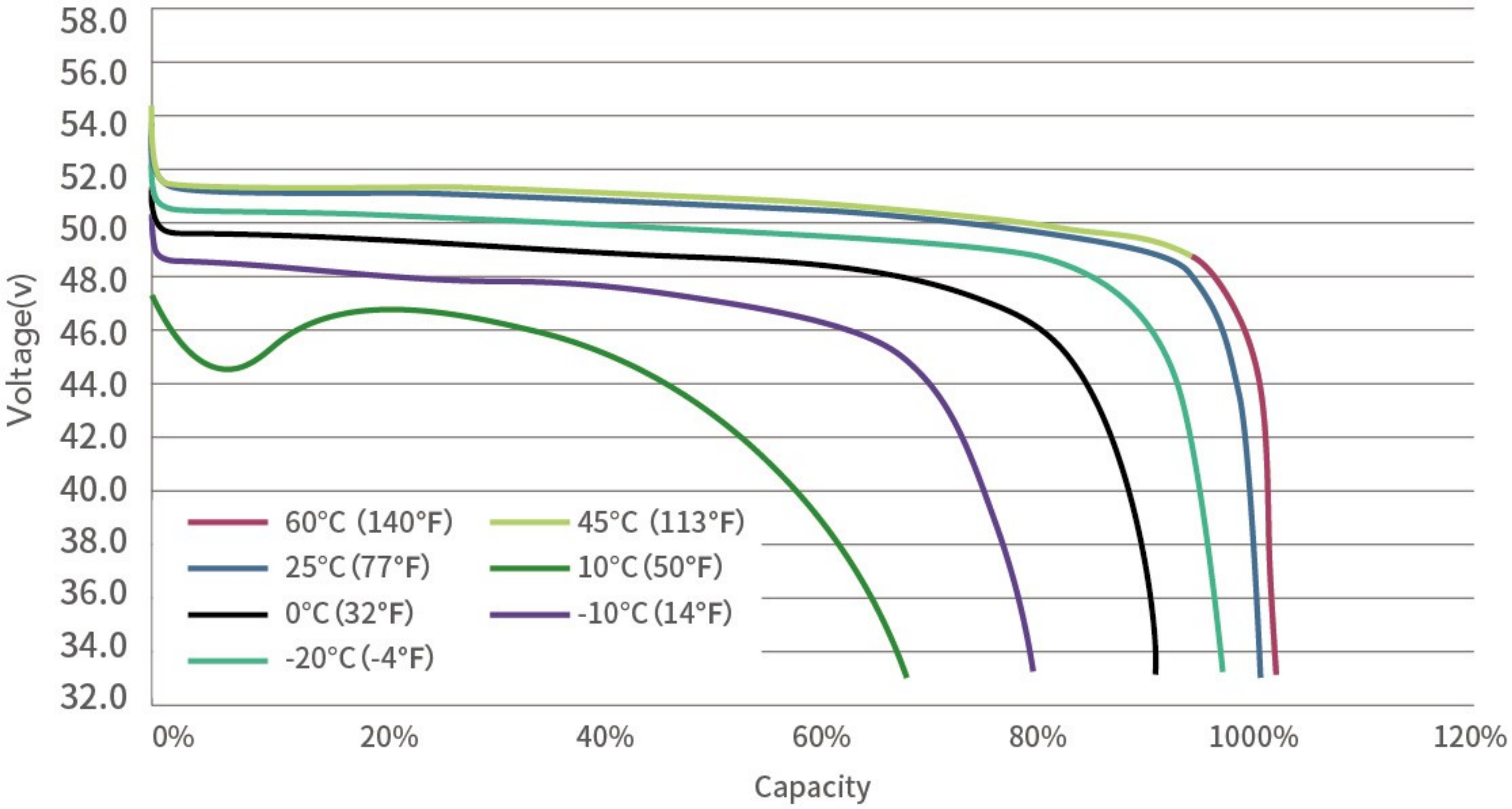
<40db (A) Optimal, <50db (A) Maximum

PERFORMANCE AND FEATURES

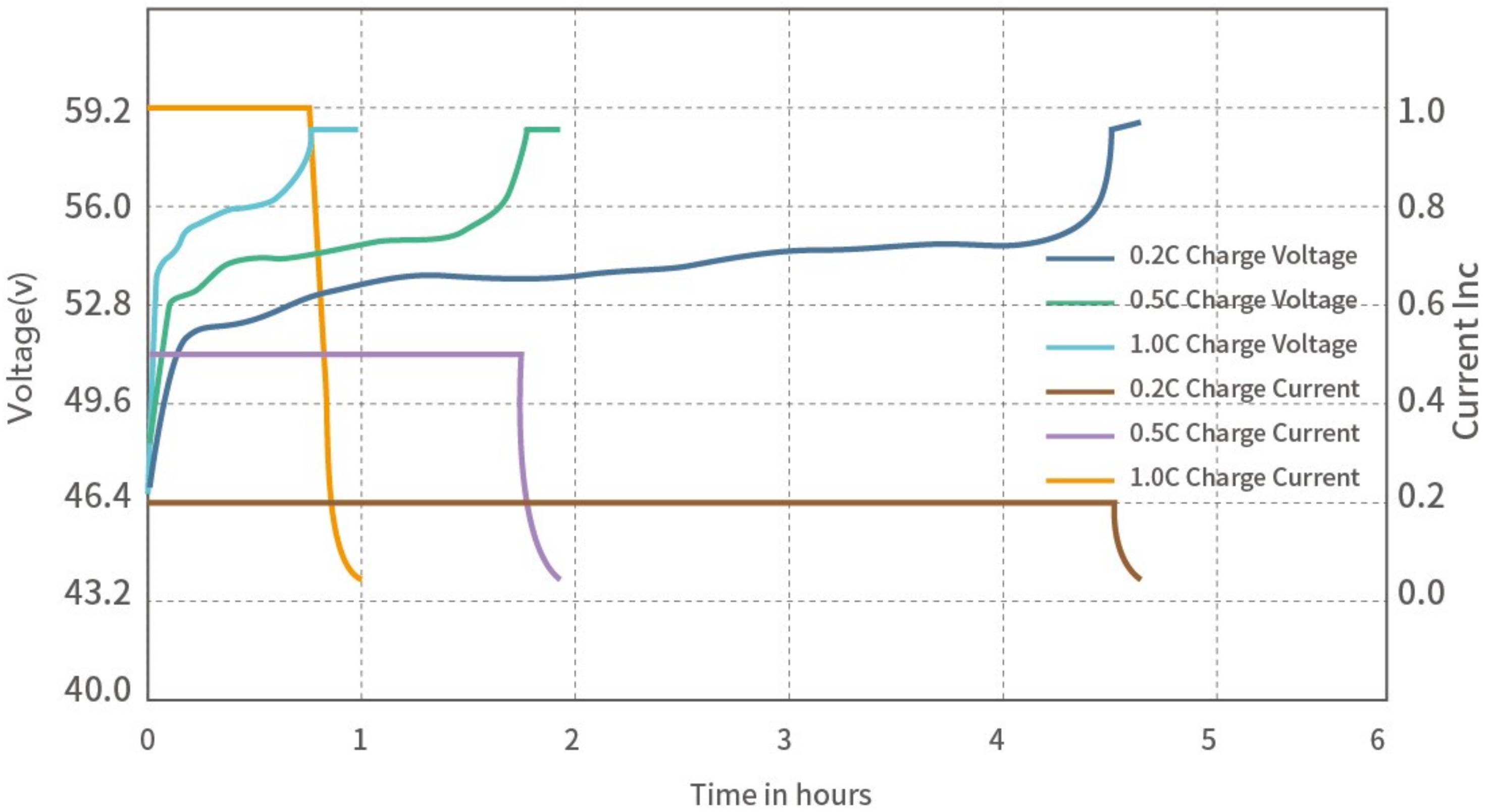
Discharge characteristic at different rate at room temperature



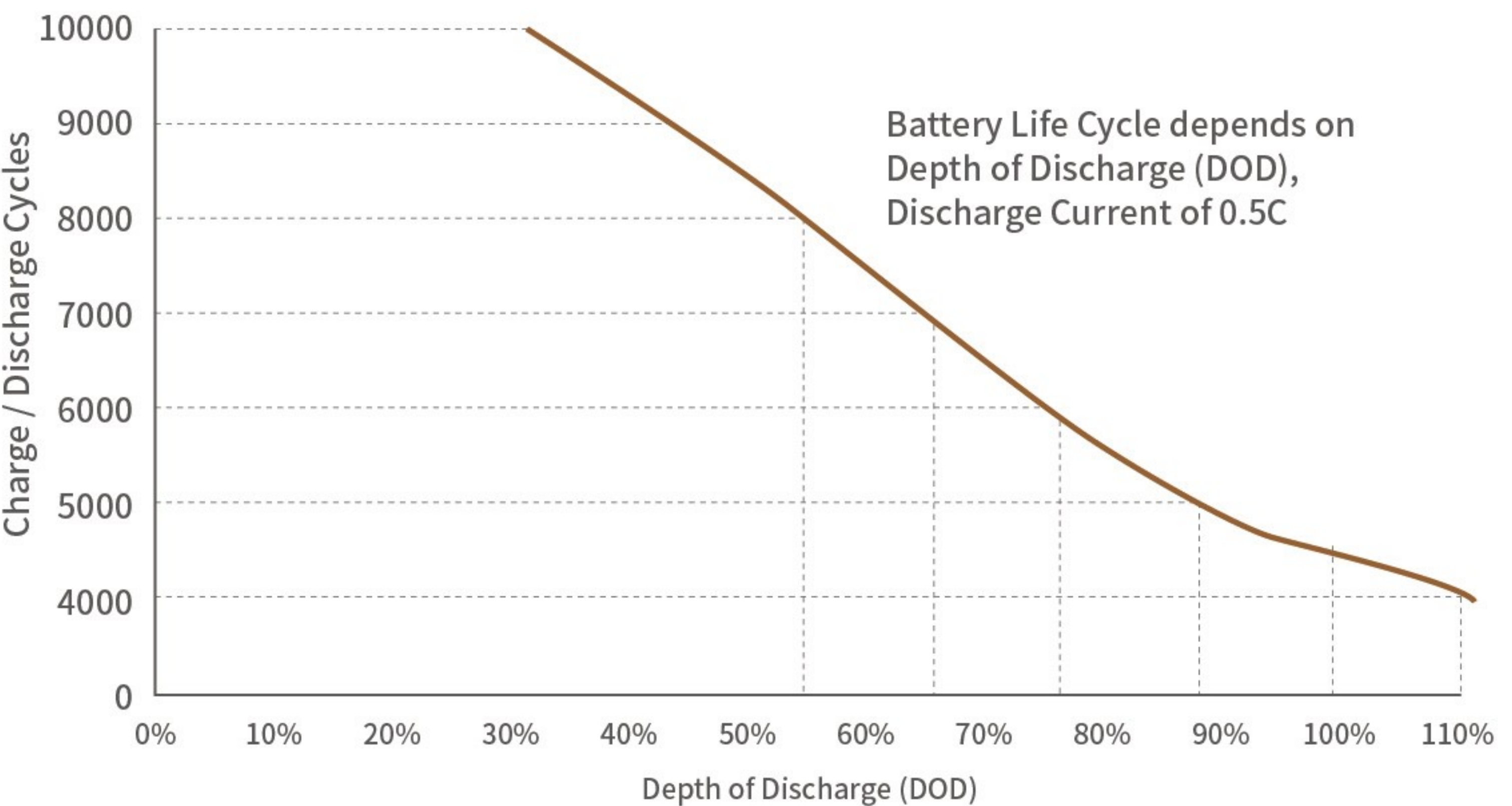
Discharge Voltage characteristics at different temperatures@0.5C



CC-CV charge with different rate at room temperature



Cycle life



PACKING

Container Size	Package dimensions (wooden crate)	Units/Crate (sets)	Units/Container (crates)	Units/Container (sets)
20GP	1100*580*386mm	1	100	100

