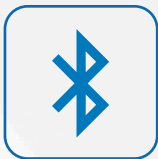


HCG-C2S Golf Series / Data sheet

48V 32Ah

48V 35Ah

Bluetooth



Model Included:

- HCGC2-4832** 48V 32Ah LiFePO4 Battery
- HCGC2S-4832BT** 48V 32Ah LiFePO4 Battery with Bluetooth
- HCGC2-4835** 48V 35Ah LiFePO4 Battery
- HCGC2S-4835BT** 48V 35Ah LiFePO4 Battery with Bluetooth

<div>Haicen Advanced Lithium Batteries</div>		Model			
		HCGC2-4832	HCGC2S-4832BT	HCGC2-4835	HCGC2S-4835BT
Electrical Specifications	Nominal Voltage	48V	48V	48V	48V
	Nominal Capacity	32Ah	32Ah	35Ah	35Ah
	Parallel Connection	Max. 6units	Max. 6units	Max. 6units	Max. 6units
	Serial Connection	No	No	No	No
	BMS	16S60A	16S60A	16S60A	16S60A
	Bluetooth	No	Android/IOS	No	Android/IOS
	Heat	No	No	No	No
	Circuit Protection	Over charge, Over discharge, Over current, Over temp, Short, Balance,Low temp			
	Cycle Life	3000times Cycles @100%DOD and 6000times @80% DOD			
	Self Discharge	Less than 3% per month			
	Charge Efficiency	100% @0.2C			
	Discharge Efficiency	98-100% @1C			
Charge Specifications	Charge Voltage	57.6±0.8V	57.6±0.8V	57.6±0.8V	57.6±0.8V
	Standard Current	6A	6A	7A	7A
	Fast Current	16A	16A	17A	17A
Discharge Specifications	Standard Current	6A	6A	7A	7A
	Max. Con. Current	32A	32A	35A	35A
	Peak Current	200A(300ms)	200A(300ms)	200A(300ms)	200A(300ms)
	Cut-off Voltage	40V	40V	40V	40V
Mechanical Specifications	Dimensions (mm)	260×180×274mm (Group C2)			
	Approx Weight(KG)	13.8	13.8	15	15
	Terminal Type	M8			
	Case Color/material	Black Plastic case (ABS)			
	IP Rating	IP65			
	Cell Type	Cylindrical LiFePO4 cell			
	Cell holder	Yes			
Temperature Specifications	Charge Temp	0℃ to 55℃		(32°F to 131°F)	
	Discharge Temp	-20℃ to 60℃		(-4°F to 140°F)	
	Storage Temp	-5℃ to 45℃		(23°F to 113°F)	

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48V 32Ah

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Bluetooth



Key Points for Quality control:

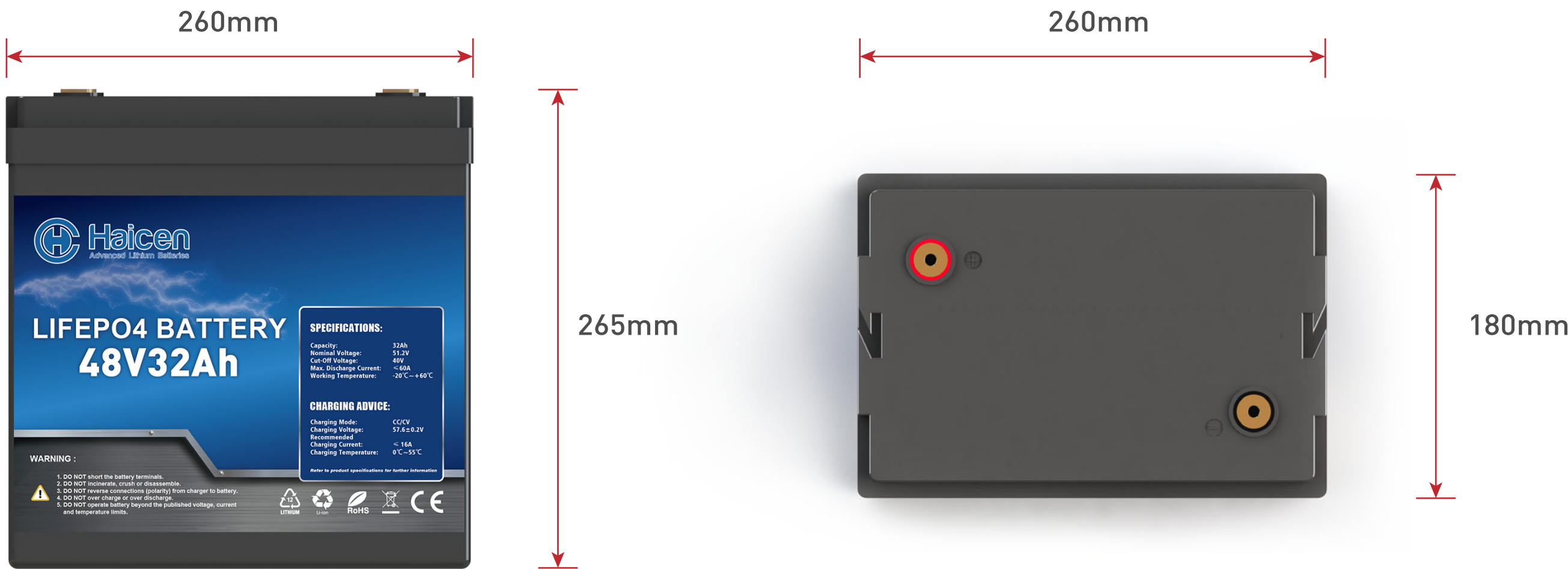
- **Cell match:**
More strict cell matching standard, the difference of Internal resistance is 1mΩ and voltage is 5mV.
- **Automatic cells welding:**
Cells are assembled by Automatic welding equipments to ensure the quality reliability and consistency.
- **100% Cycle test:**
All battery packs are 100% cycle tested (Fully Discharged→Fully Charged→Fully Discharged→60% Charged) before package and all test reports are stored.
- **Unique tracking number:**
All battery packs are lasered an unique number on the case side for quality tracking.

Certifications:

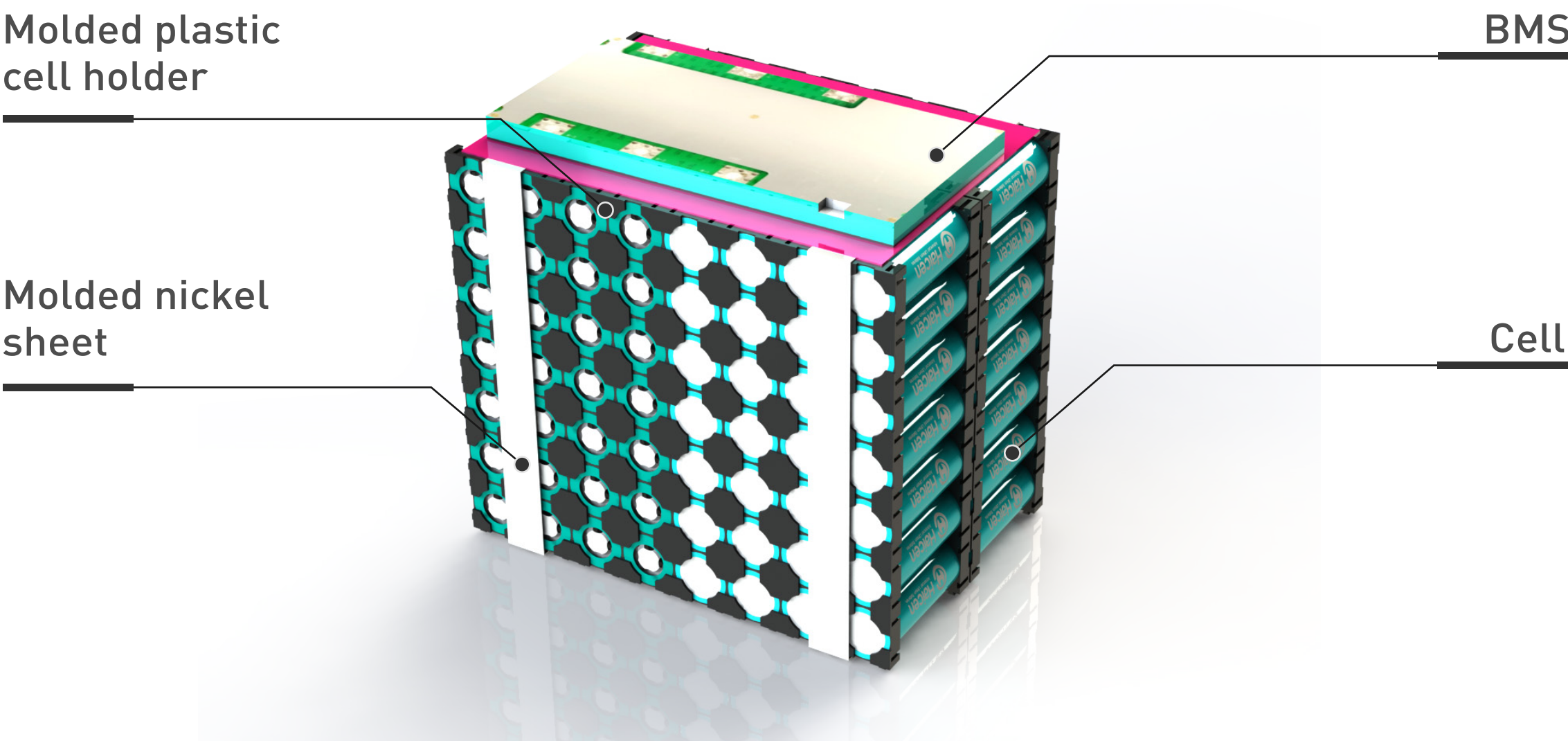
- UL1642 (Cell)
- IEC62133 (Cell)
- IEC62619 (Cell)
- CE (Pack)
- UN38.3 (Cell / Pack)
- ROHS (Cell)



Dimensions:



Internal Structure:



HCG-C2S Golf Series / Data sheet

48V 32Ah

48V 35Ah

Bluetooth



SOC Display (optional)



ALM

Alarming

The red LED will flash when the battery sends an alarm.

Customized logo is acceptable.

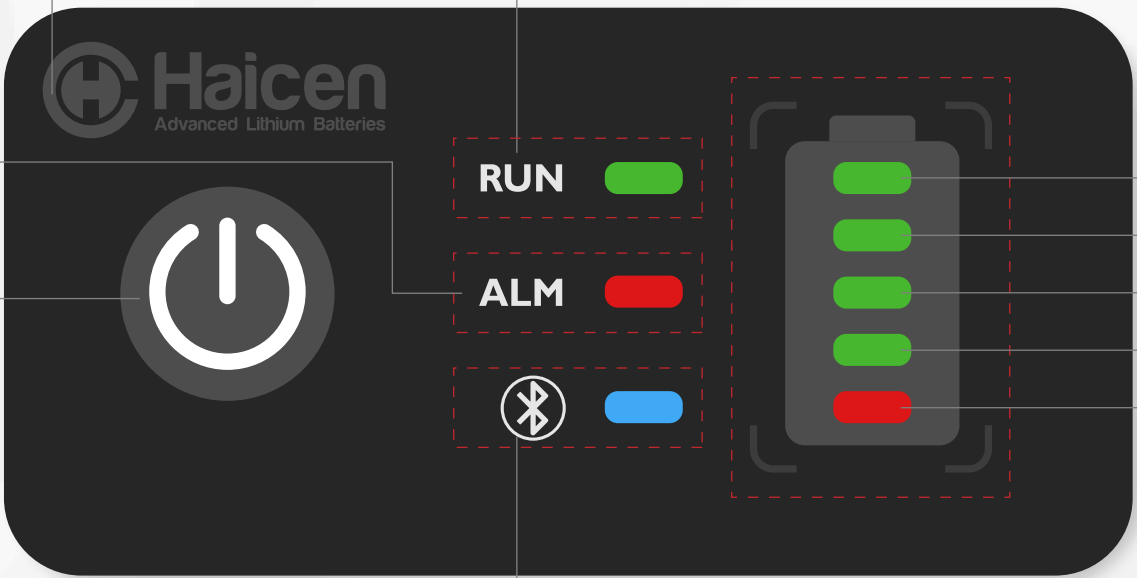
RUN

Working status of the battery
The green LED will be on when charging or discharging.

Switch

1.With the standby state, touch the “Switch” key, then the SOC LED will be on to show the current SOC and the RUN LED will be on. After 5s later, all LEDs in panel will turn off.

2.Press and hold the switch for 3s, then the BMS will immediately go to Sleep mode.
With the Sleep state, press on the “Switch” key for 3s, then the BMS will wake up.



SOC (State of Charge)

100% SOC (Full Charge)
80% SOC
60% SOC
40% SOC
20% SOC

Bluetooth

Bluetooth connection status
The blue LED will be on when the battery is connected to Bluetooth.

HCG-C2S Golf Series / Data sheet

48V 32Ah

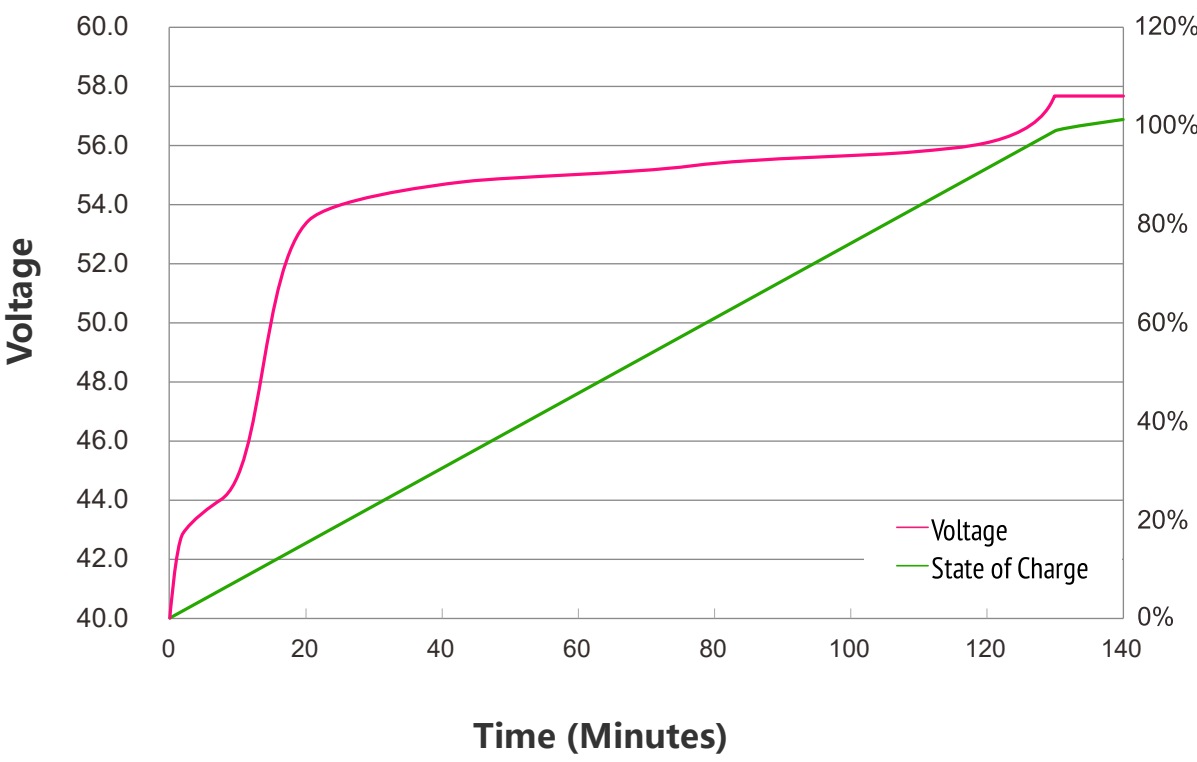
48V 35Ah

Bluetooth

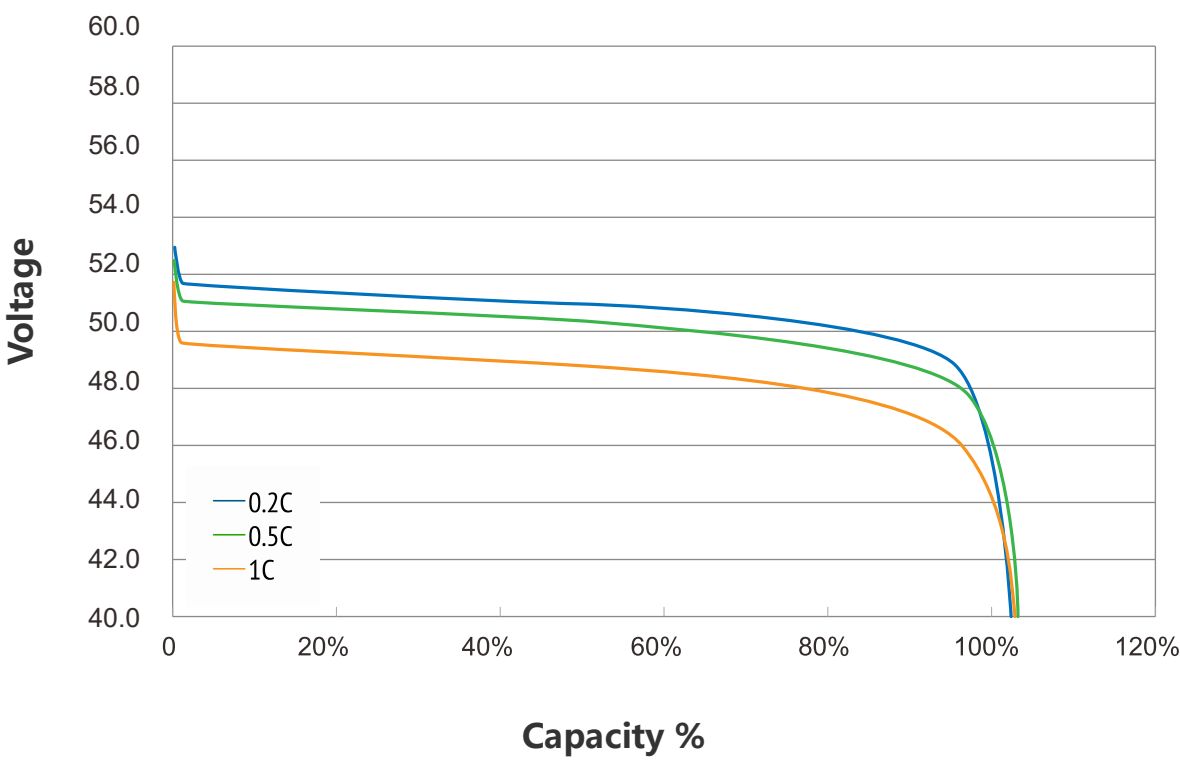


Characteristics Curve:

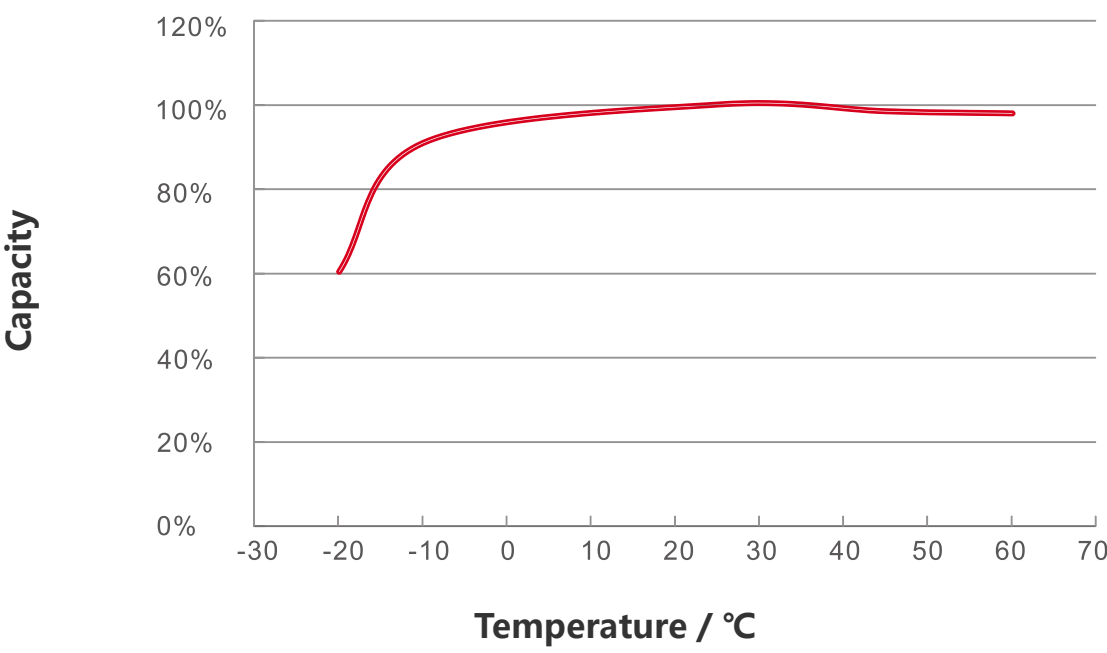
Charging Characteristics (0.5C @25°C)



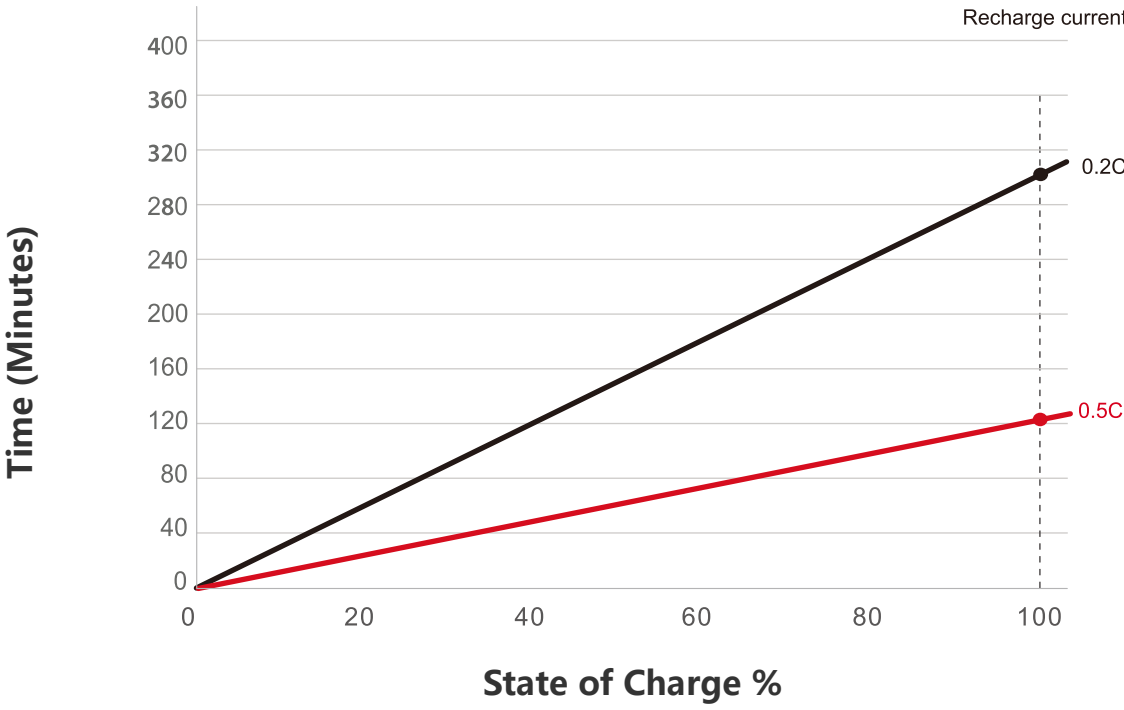
Discharging Characteristics (0.2C, 0.5C, 1C @25°C)



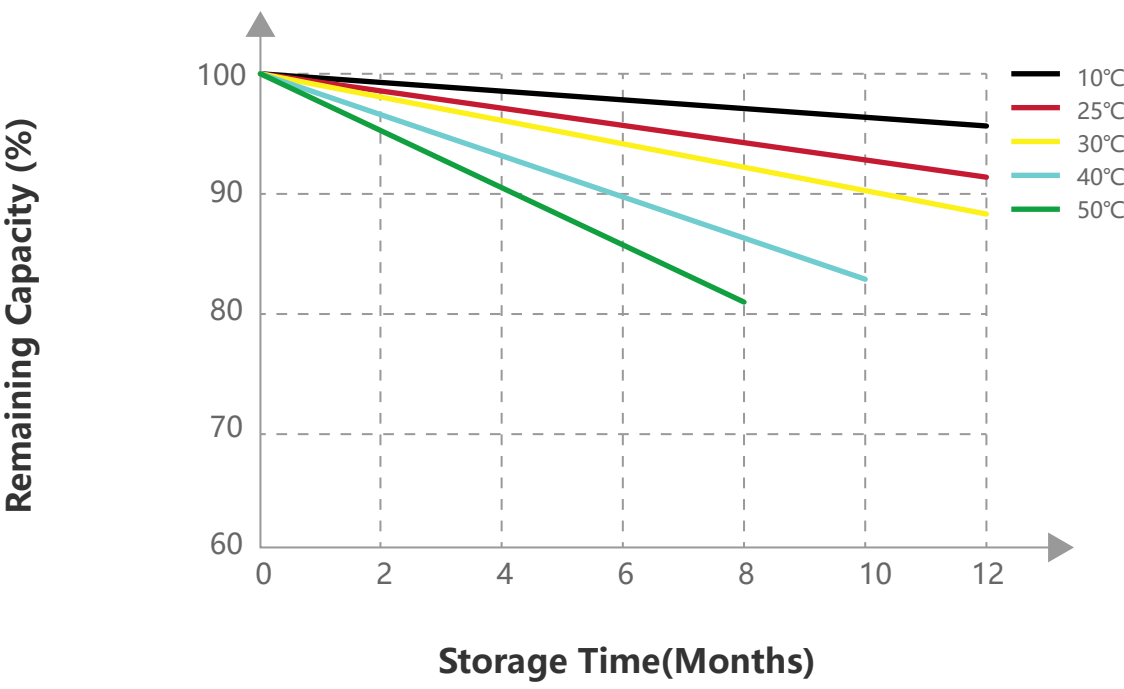
Different Temperature Capacity Curve



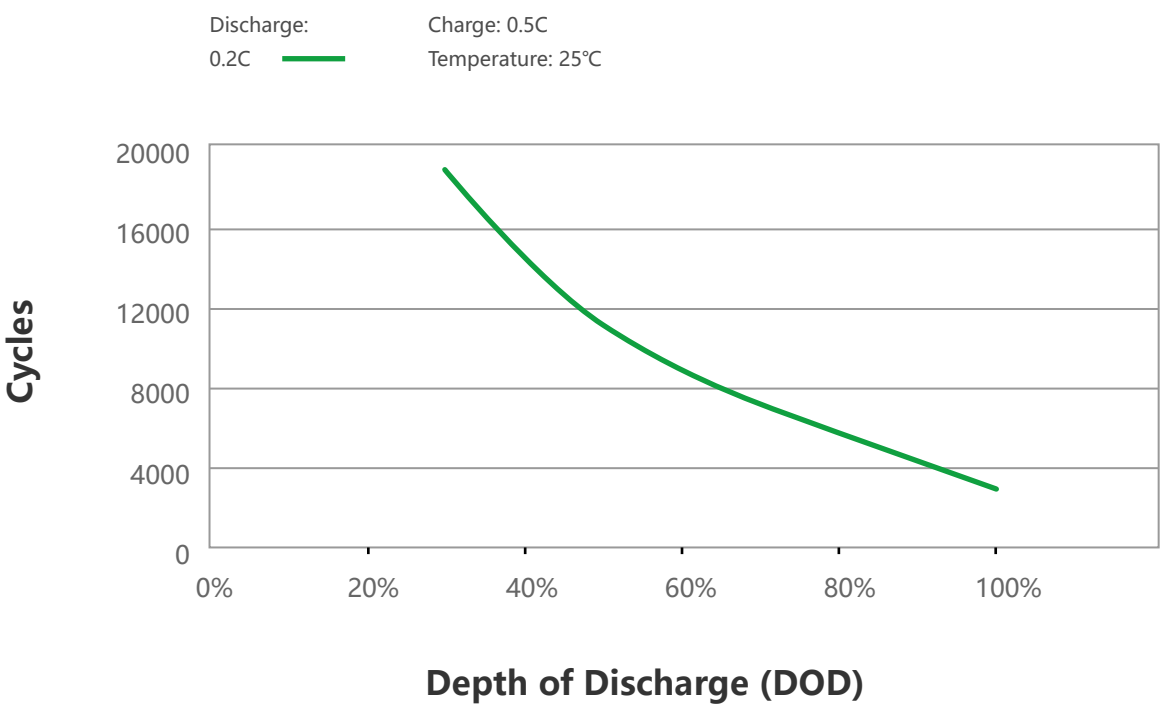
Typical Charge Time Curve



Different Temperature Self Discharge Curve



Different DOD Discharge Cycle Life Curve



HCG-C2S Golf Series / Data sheet

48V 32Ah

48V 35Ah

Bluetooth



Key Benefits:

- **Higher qualified cylindrical cell:**
UL1642, IEC62619, IEC62133 listed with Cycle life more than 3000times and excellent consistency.
- **Bluetooth:**
can monitor the battery status in real time, such as charge, discharge, current, temperature, cycle life, and also can change the data for different applications.
- **More stable and firm internal structure:**
Cell holders can well protect and separate the cells to avoid any circuit short risk caused by vibration or impact or over current, and improve the heat dissipation.
- **Smaller size and less weight:**
The size of our battery is just 3/4 size of the standard 48V 32Ah battery from other suppliers.

Market Applications:



Golf cart



Marine



RV



Light EV



Energy storage



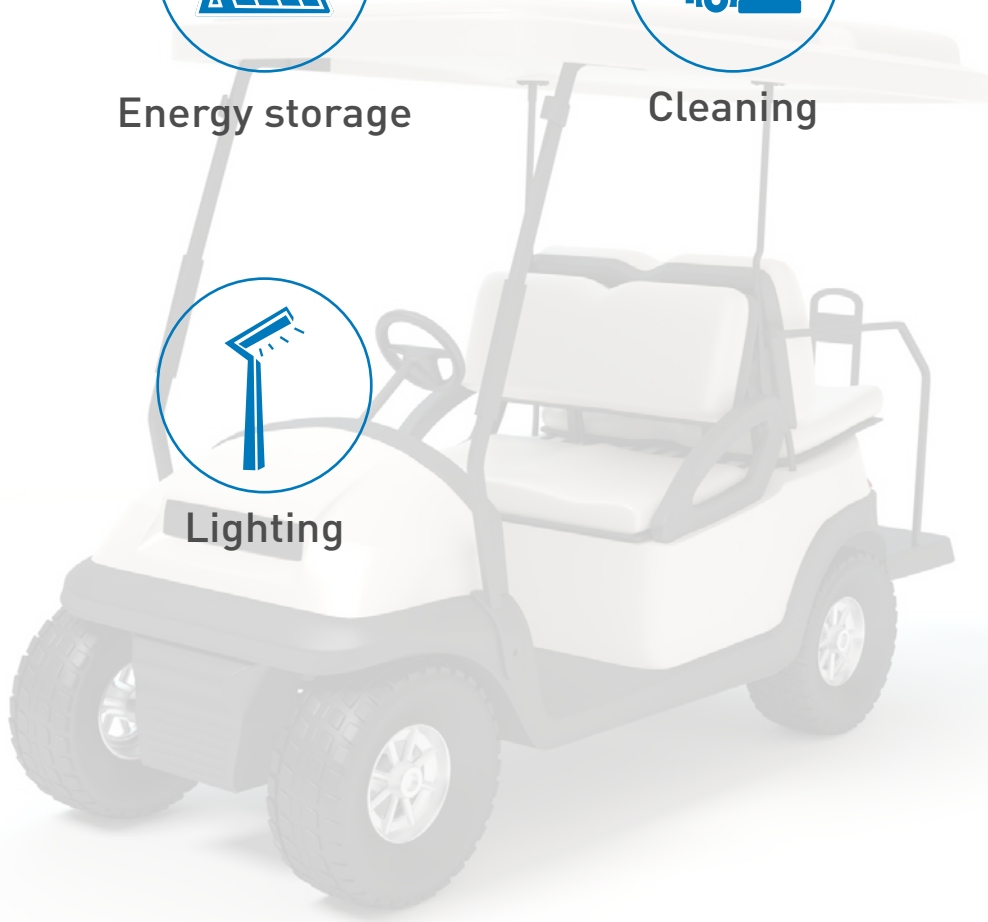
Cleaning



Robotics



Lighting



Package:

20' Container=10Pallets=750Cartons=750Units;
40' Container=20Pallets=1500Cartons=1500Units;

1Carton=1Unit

1Pallet=75Cartons



Internal Package
Forming pearl foam



Weight: 15Kg/carton
Size(L×W×H): 337×257×350mm



Weight: 1140Kg/pallet
Size(L×W×H)=1.2×1×1.9m ≈ 2.3CBM

- **Bluetooth App design:** Help you to design and upload customized App, or supply you our Source code for your design.
- **Case color:** Customized case color is acceptable based on quantity more than 300pcs per batch.
- **Label design:** We can help you to design customized label on the battery.
- **Carton design:** Customized carton is acceptable based on quantity more than 200pcs per batch.
- **Certificates:** 50% discount on certificates cost for first bulk order and 100% rebak for future orders.
- **NDA agreement:** NDA agreement is allowed and necessary to protect your benifits.