

DEEPCYCLE AGM BATTERY

SA20-12 12V 22Ah



PT CENTURY BATTERIES INDONESIA

TECHNICAL SHEET



PT Century Batteries Indonesia produces Deep Cycle AGM SA-20 batteries starting in 2023 with AGM technology as the separator. This battery is designed to have a low leakage rate and is stable at high temperatures and is very suitable for applications that require high durability. This battery is designed to have a longer life with more stable and more reliable quality, and is able to withstand higher loads and is very suitable for applications that require high endurance.

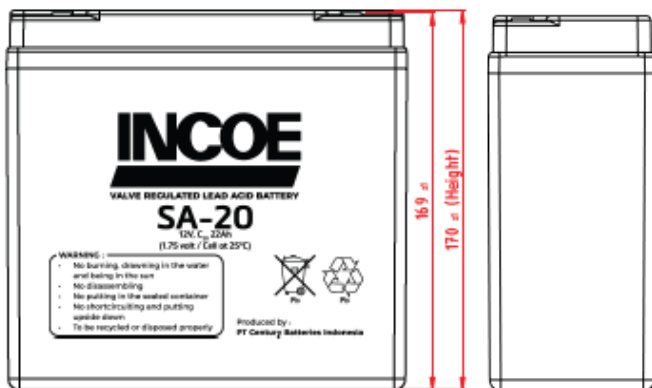
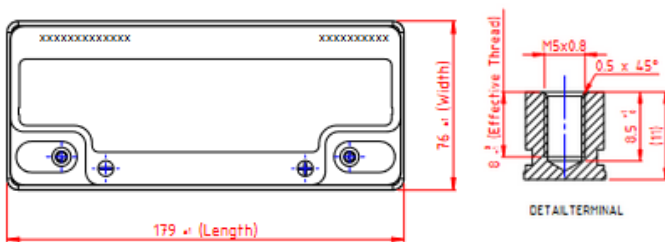
CONSTANT CURRENT DISCHARGING PARAMETERS (UNIT: A, 25°C/77°F)

Cut off/time	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1,75V/cell	27,011	21,730	15,632	8,692	6,284	4,951	4,081	3,458	2,643	2,146	1,100

MECHANICAL SPECIFICATIONS	
Length	179 ± 1 mm
Width	76 ± 1 mm
Height	170 ± 1 mm
Weight	6 ± 0.2 kg
Terminal	M5, 8.6
Container	ABS
Tightening Torque	4 - 5 Nm

PERFORMANCE	
Nominal Voltage	12 V
Capacity (C20)	Min. 22 Ah
Energy per Battery	264 Wh
Internal Resistance	Max. 15 mΩ
Standard Charging Current	2.5 A
Max. Discharging Current	150 A (5 s)
Charge Temperature	-10°C - 40°C
Discharge Temperature	-20°C - 55°C
Storage Temperature	-15°C - 50°C

APPEARANCE



CHARGING PARAMETERS (25°C/77°F)

Initial Charging Current	2,3 - 2,7 A
Limited Voltage	14,65 - 14,75 VDC
Floating Voltage	13,50 - 13,80 VDC

Application:

- Electric bicycle
- Electric motor
- UPS System
- Power Backup

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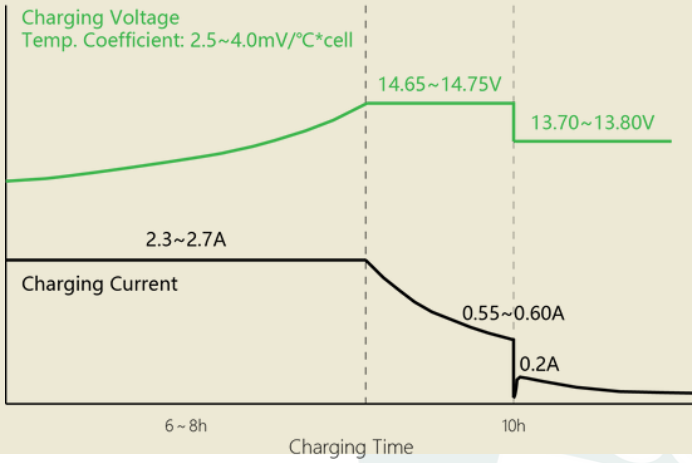
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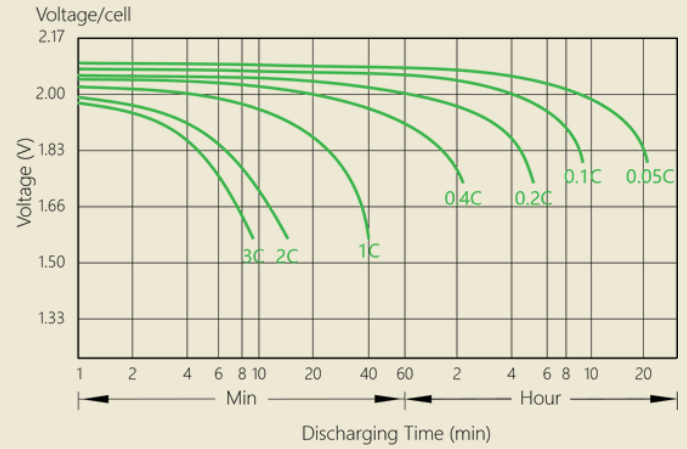
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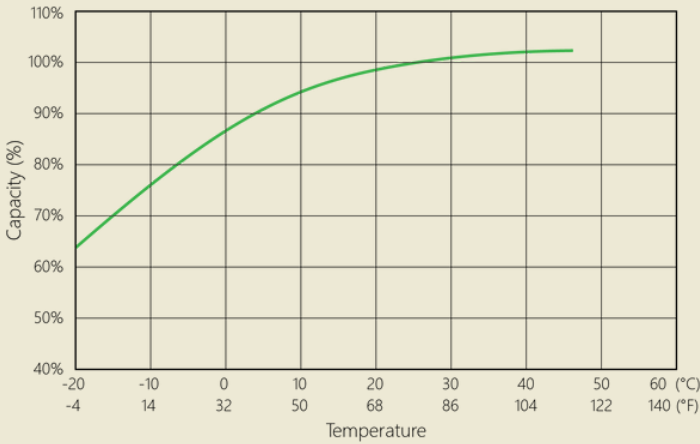
Charging Characteristics (25°C/77°F)



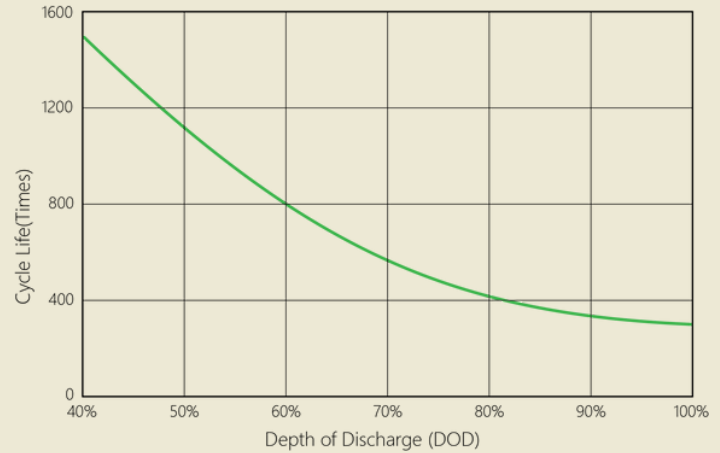
Discharging Characteristics (25°C/77°F)



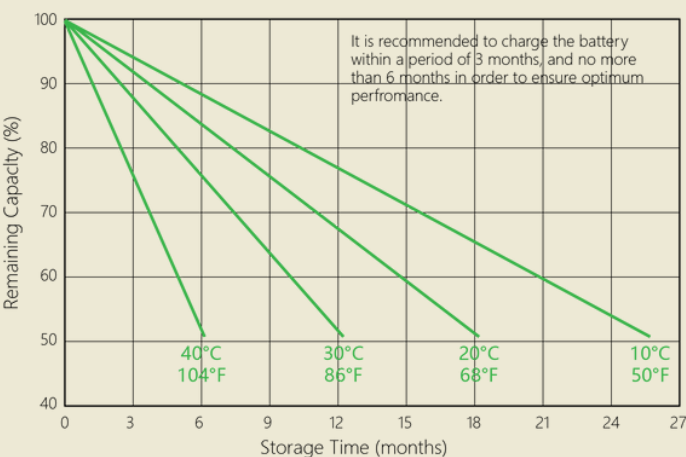
Capacity vs Temperature



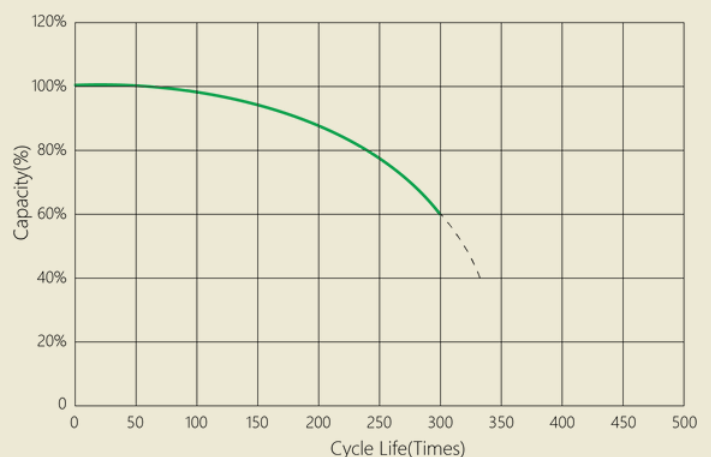
Cycle Life vs Depth of Discharge (25°C/77°F)



Self-discharge vs Time



Cycle Life vs Remaining Capacity (25°C/77°F)



General Features:

- Maintenance Free Operation
- Stable Quality & High Reability
- Sealed Construction
- AGM Technology for Longer Life Cycle Design