

DUAL SMF Professional Marine (starting & deep cycle)

SM27 (90Ah - 640Amp)



DATA SHEET

CHARACTERISTICS



Item	Specifications	
Nominal Voltage	12V	
Nominal Capacity (20Hr)	90Ah	
SAE CCA (Cold Cranking Ampere)	640A	
RC (Reserve Capacity)	160Min.	
Dimension	Length	303mm
	Width	172mm
	Container Height	200mm
	Total Height (with Terminal)	223mm
Approximate Weight	Approx 20.8kg	
Terminal Shape	Dual marine according to SAE standard	
Terminal Layout	Layout 1	
Container Material	PP (polypropylene)	
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Capacity affected by Temperature	40°C (104°F)	105%
	25°C (77°F)	100%
	0°C (32°F)	85%

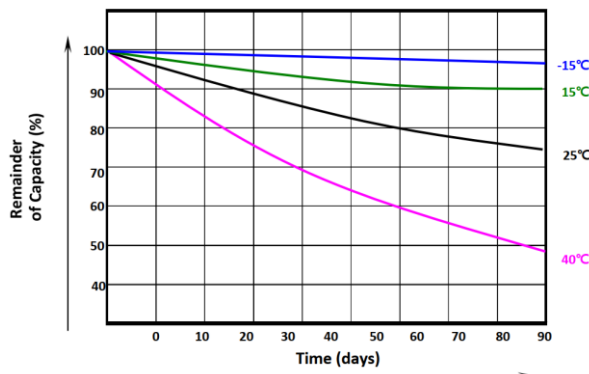
APPLICATIONS

GENERAL FEATURES

Dual Purpose batteries are the ideal compromise between high starting and extra reserve power for accessory loads.

- MARINE and RV
- Engine start
- Renewable Energy
- Extra reserve capacity for accessory loads
- Delivering stable power with moderate energy requirements
- High starting and extra reserve power for accessory loads
- higher cycle life than conventional starter batteries
- Maintenance free design
- Robust dual terminal for convenient connection
- Excellent start ability

Self-discharge Characteristic



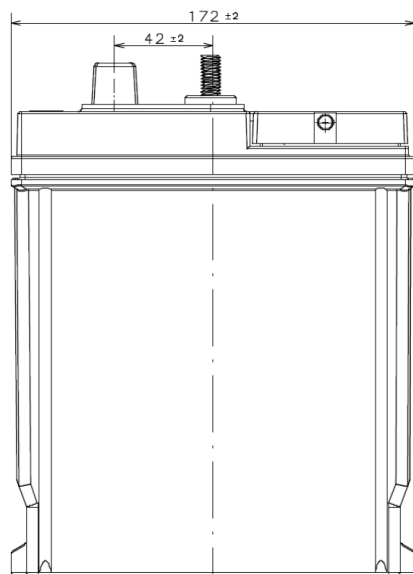
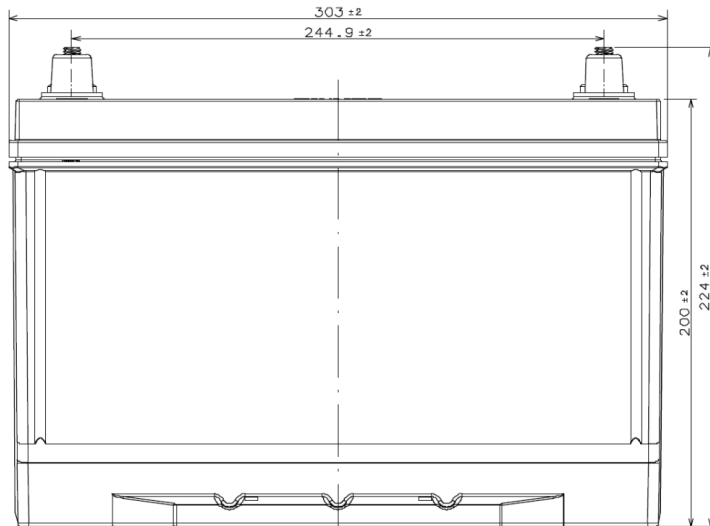
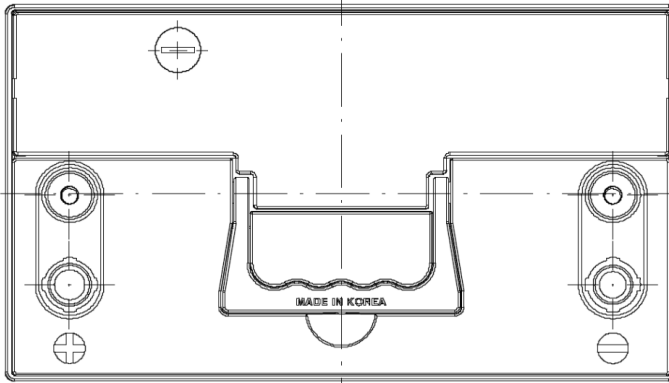
Test definition (SAE J537-2000)

SAE CCA: The battery shall be discharged at specified SAE CCA under -18°C. This discharge terminated when the battery voltage reaches 7.2V. The discharge time(sec.) should be longer than 30s(±0.2s).

RC: The battery shall be discharged with a current of 25A until the terminal voltage falls to 10.50V ± 0.05V. The duration (min.) of discharge shall be recorded.

DATA SHEET

Drawing



ST	A
POSITIVE	Φ19.5 0/-0.3
NEGATIVE	Φ17.9 0/-0.3

