



Key Features



**ADVANCED
AGM TECHNOLOGY**



**MAINTENANCE-FREE
OPERATION**



**SEALED &
SPILL-PROOF DESIGN**



**LONG
SERVICE LIFE**

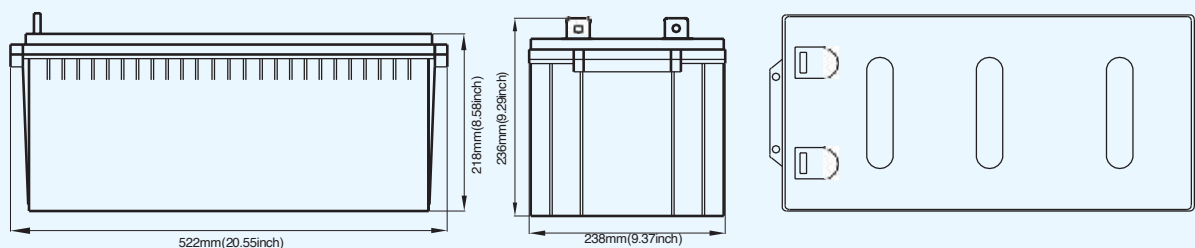


**HIGH RELIABILITY &
STABLE PERFORMANCE**

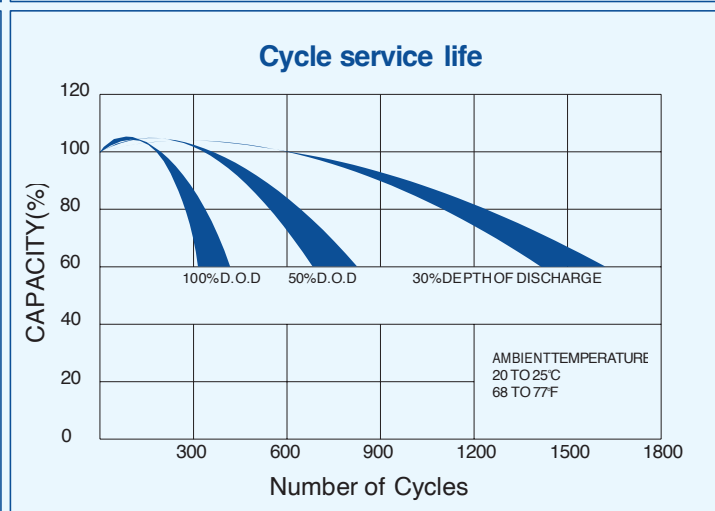
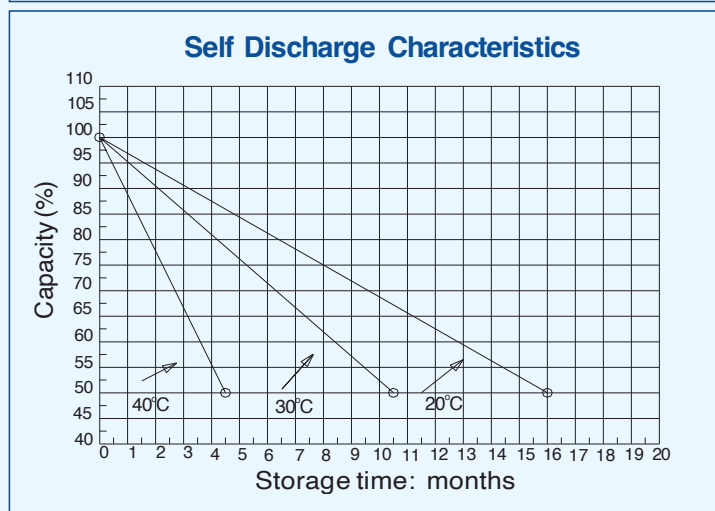
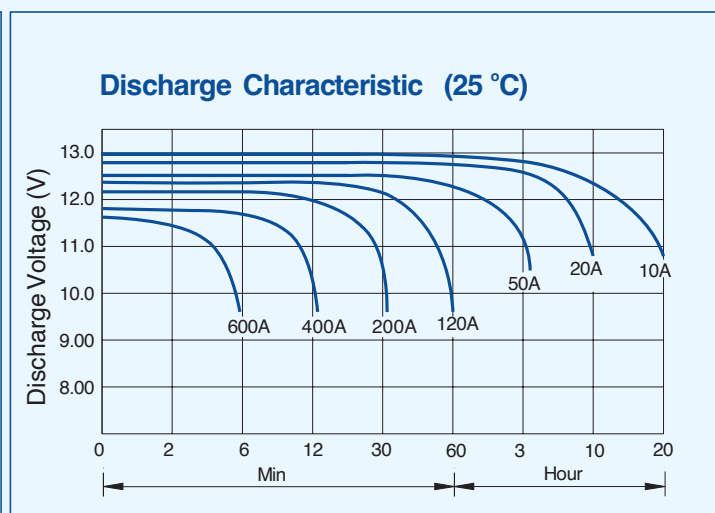
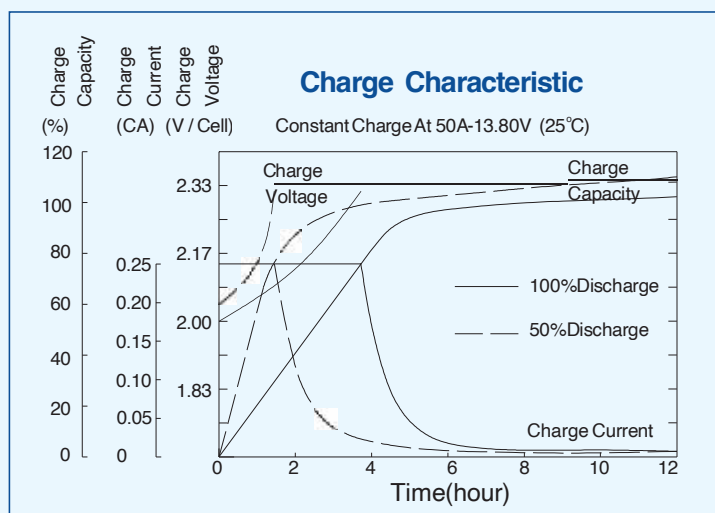


Smarten VRLA / SMF Batteries (7.5Ah–200Ah) are engineered with advanced AGM (Absorbent Glass Mat) technology to deliver dependable, maintenance-free power for a wide range of standby and cyclic applications. Manufactured using high-purity lead-calcium alloy and enclosed in a rugged ABS casing, these batteries provide excellent reliability, long service life, and consistent performance in diverse operating environments.

Designed for UPS systems, telecom, security, emergency lighting, medical equipment, renewable energy, and backup power applications, the Smarten VRLA / SMF range features a fully sealed, leak-proof construction with low self-discharge and high-rate discharge capability. Available in capacities from 7.5Ah to 200Ah, it is the ideal power solution for residential, commercial, and industrial applications worldwide.



Battery Model	SP 12-200			
Designed Cycle Life	>350 cycles @ -0.5CA to 9.6V			
Capacity(25°C)	20HR(10.1A, 1.75V)	10HR(20A, 1.75V)	5HR(37A, 1.75V)	1HR(120A, 1.75V)
	202Ah	200Ah	185Ah	120Ah
Dimensions	Length	Width	Height	Total Height
	522mm(20.55inch)	238mm(9.37inch)	218mm(8.58inch)	236mm(9.29inch)
Approx. Weight	61Kg (134.2 lbs)			
Internal Resistance	Full charged at 25°C :0.0038 Ohm			
Self Discharge	Self discharge < 3% per month at (25°C)			
Capacity Affected by Temp.(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(25°C)	Cycle use		Float use	
	14.4-14.8V(-30mV /°C), max. Current: 50A		13.6-13.8(-20mV /°C)	



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