



JEFF POWER COMPANY LIMITED

天澤能源有限公司

Rm 2, 8/F, Wing Shing Industrial Bldg., 24-26 Ng Fong Street, San Po Kong, Kowloon., Hong Kong
 Tel : (852) 28329128 Fax : (852) 28382308 E-mail : sales@jeffpower.com Webpage : <http://www.jeffpower.com>

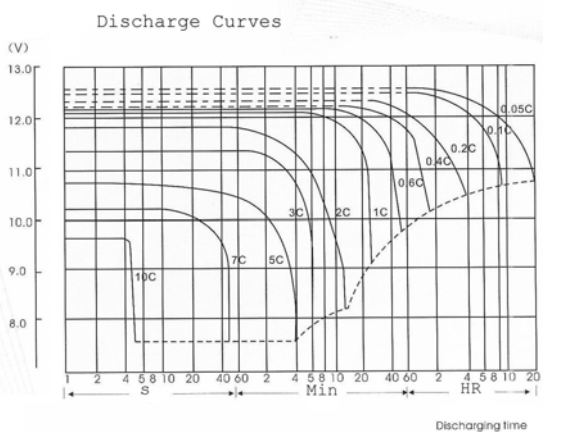
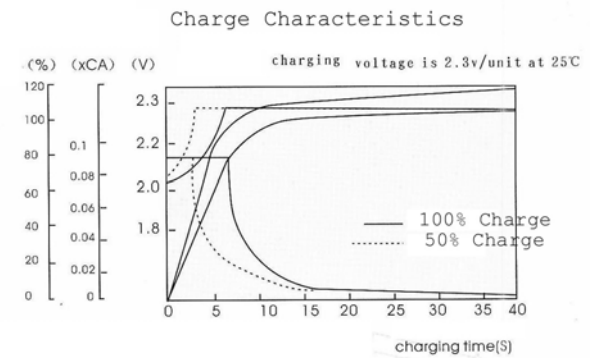
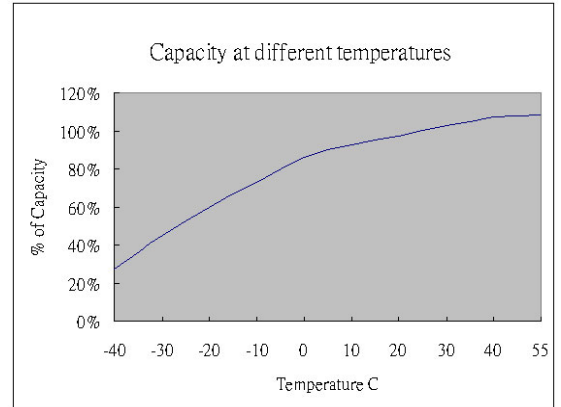
Nano-Capsular SLA Battery (12V 100Ah P) Data Sheet

●specifications

Nominal voltage	12V
Capacity (20hour rate)	100Ah
Dimensions	407 x 174 x 210mm L x W x H TTL Height 233mm
Weight approx	34kg(74.8pound)

●characteristics

Capacity 25 ⁰ C(77 ⁰ K)	20hour rate	100Ah	
Capacity affected by temperature (10hour rate)	65 ⁰ C	115%	
	40 ⁰ C	108%	
	25 ⁰ C	100%	
	0 ⁰ C	95%	
	-15 ⁰ C	80%	
	-40 ⁰ C	20%	
Self-discharge at 25 ⁰ C(77 ⁰ C)	Capacity after 3month storage	95%	
	Capacity after 6month storage	90%	
	Capacity after 12month storage	80%	
Terminal Material	Copper		
Charge (constant voltage)	Cycle	Voltage	14.5 - 14.9 V
		Temperature comparison	-60mv/ ⁰ C
	Float	Voltage	13.6 - 13.80 V
		Temperature Comparison	-40mv/ ⁰ C
Internal resistance	Charged Status	3.5 m Ohm	
Charge Current	13.5V max	0.3C Max	
Cycle Life	0.5C Chg, 1C Dschg for 18min. Cutoff at 10.8V	>1000	
Physical Status	Dry Solid		



Constant Current(Amp) Discharge Table at 25⁰C(77⁰F) (Final Voltage at >1C 9.6V, at <0.9C 10.5V)

Time	5min	10min	15min	30min	1hr	3hr	5hr	10hr	20hr
Current(A)	285	195	161	120	68.0	31.9	18.6	10.1	5.36