



# JEFF POWER COMPANY LIMITED

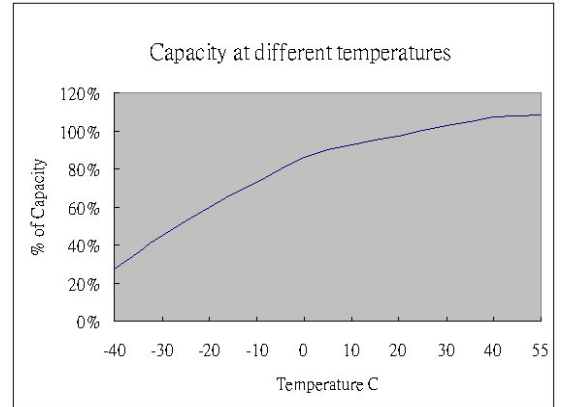
天澤能源有限公司

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## Nano-Capsular SLA Battery (12V 7Ah P) Data Sheet R3

### ●specifications

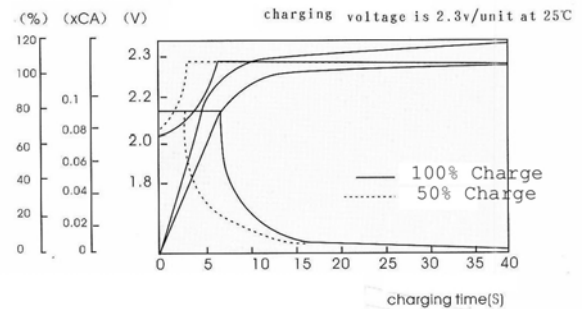
Nominal voltage	12V
Capacity (20hour rate)	7Ah
Dimensions	151 x 65 x 95mm L x W x H TTL Height 101mm
Weight approx	2.07kg(4.55pound)



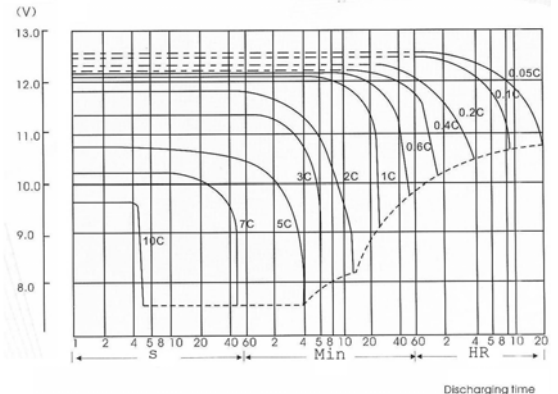
### ●characteristics

Capacity 25°C(77°K)	20hour rate	7Ah	
Capacity affected by temperature (10hour rate)	65°C	115%	
	40°C	108%	
	25°C	100%	
	0°C	95%	
	-15°C	80%	
	-40°C	20%	
Self-discharge at 25°C(77°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/°C
	Float	Voltage(25°C)	13.6 — 13.80 V
		Temperature comparison	-40mv/°C
Internal resistance	Charged Status	15 m Ohm	
Charge Current	13.8V max(25°C)	0.3C Max	
MCA	Theoretical	320A	
CCA	Theoretical	290A	
Cycle Life	0.5C Chg, 1C Dschg for 18min. Cutoff at 10.8V	>1000	
Physical Status	Dry Solid		

### Charge Characteristics



### Discharge Curves



### Constant Current(Amp) Discharge Table at 25°C(77°F) (Final Voltage at >1C 9.6V, at <0.9C 10.5V)

Time	5min	10min	15min	30min	1hr	3hr	5hr	10hr	20hr
Current(A)	26.4	17.6	13.8	8.68	5.03	2.31	1.31	0.71	0.37