

**MODEL: ADD12-9**

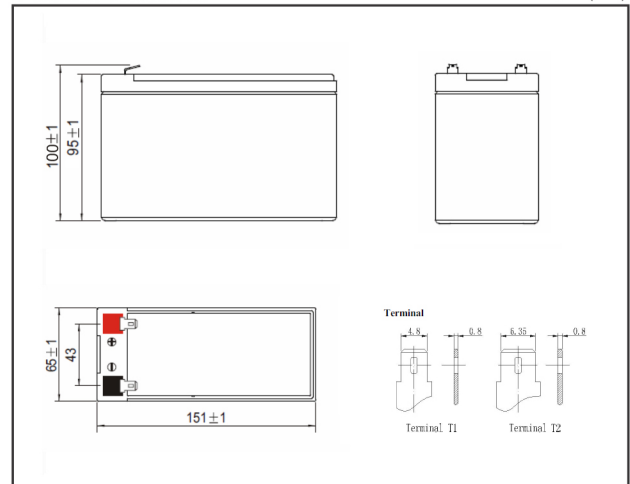
**12V/9Ah**

شرکت طراحی و توسعه آرکا شبکه



**Plane Chart:**

Unit:(mm)



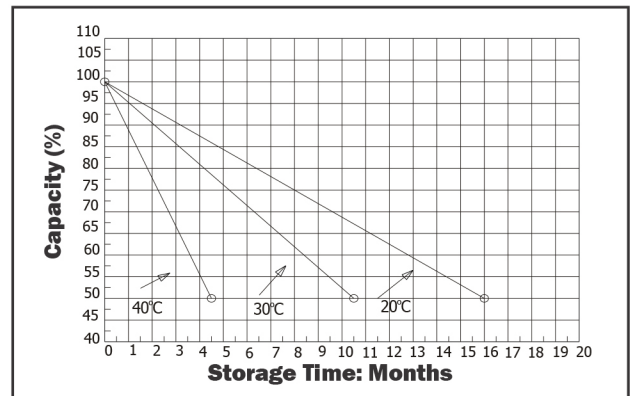
ISO 9001  
ISO 14001  
OHSAS18001



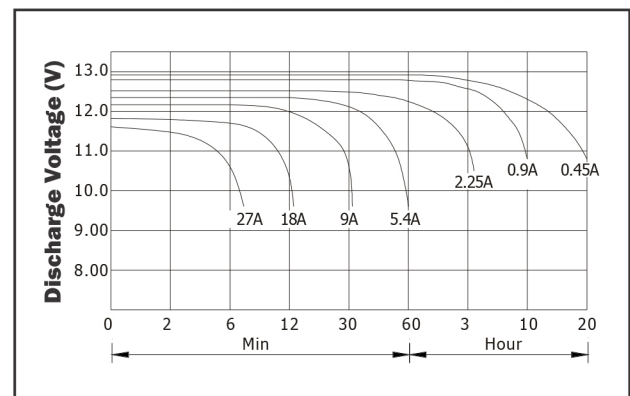
**Parameter Chart**

VOLT		12V	
Capacity(25°C)	20 hours rate (0.45A)	9Ah	
Discharge Current Testing (25°C)	1 hour rate(5.12A)	5.1Ah	
	3 hours rate (2.21A)	6.7Ah	
Internal Resistance	Full Charged Battery 25°C	~20mΩ	
Capacity Affected By Temperature	40°C	104%	
	25°C	100%	
	0°C	83%	
	-15°C	60%	
Residual Capacity (25°C)	Capacity After 3 Months Storage	91%	
	Capacity After 6 Months Storage	82%	
	Capacity After 12 Months Storage	65%	
Charge (Constant Voltage)	Cycle (25°C)	Initial Charging Current Less Than 2.7A Voltage 14.5~14.9V	
	Float (25°C)	Charge Voltage 13.6~13.8V	
Weight (Approx)		2.4Kg	

**Self Discharge Characteristics**



**Discharge Characteristic (25°C)**

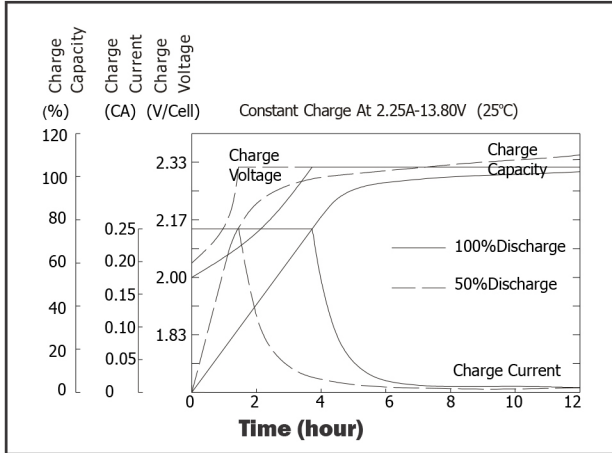


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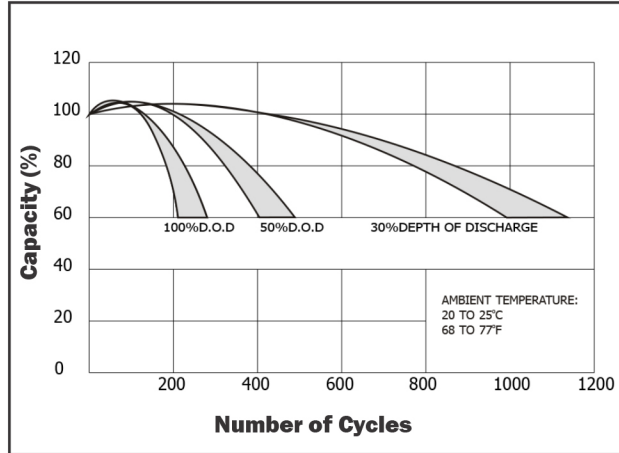
**12V/9Ah**

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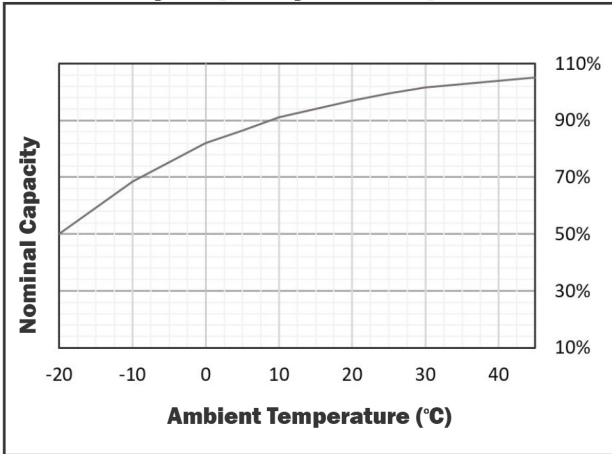
### Charge Characteristic



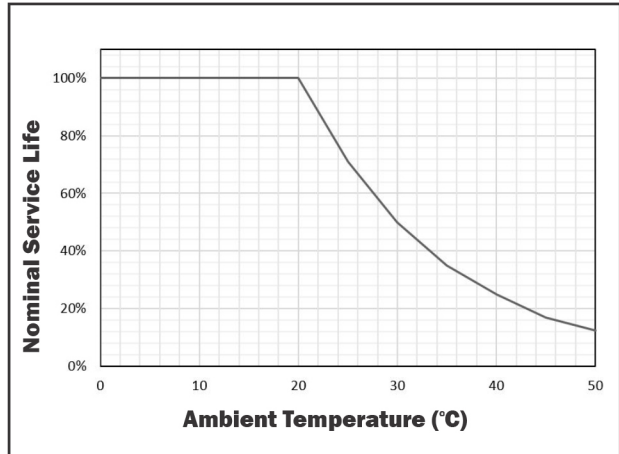
### Cycle Service Life



### Battery Capacity VS Temperature



### Service Life Time



### Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	5min	15min	30min	45min	60min	2h	3h	5h	8h	10h	20h
9.60V	28.52	15.36	9.31	7.75	5.47	3.14	2.21	1.51	1.05	0.81	0.45
10.2V	26.54	14.55	9.08	6.63	5.35	3.03	2.21	1.51	0.93	0.81	0.45
10.5V	24.33	14.08	8.96	6.63	5.35	3.03	2.21	1.49	0.93	0.81	0.45
10.8V	21.88	13.15	8.61	6.29	5.12	3.03	2.21	1.40	0.93	0.81	0.45

### Constant Current Discharge Characteristics (Watt, 25°C)

F.V/Time	5min	15min	30min	45min	60min	2h	3h	5h	8h	10h	20h
9.60V	286.3	162.0	101.5	84.0	66.6	38.4	28.4	18.5	14.1	10.2	5.5
10.2V	274.5	157.1	100.6	79.5	63.6	37.3	27.1	18.4	13.9	10.0	5.4
10.5V	259.1	155.8	99.9	77.2	61.7	36.4	26.6	17.9	13.7	9.9	5.1
10.8V	237.5	147.4	97.1	74.4	59.7	35.4	26.0	17.5	13.6	9.7	5.0