

**MODEL: ADD12-100**

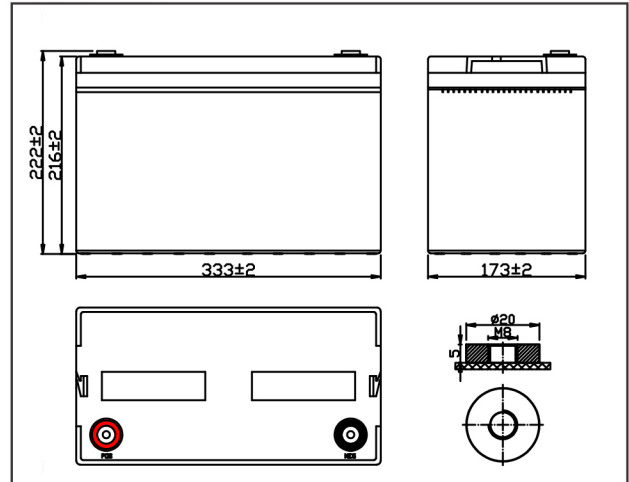
**12V/100Ah**

شرکت طراحی و توسعه آرکا شبکه



**Plane Chart:**

Unit:(mm)



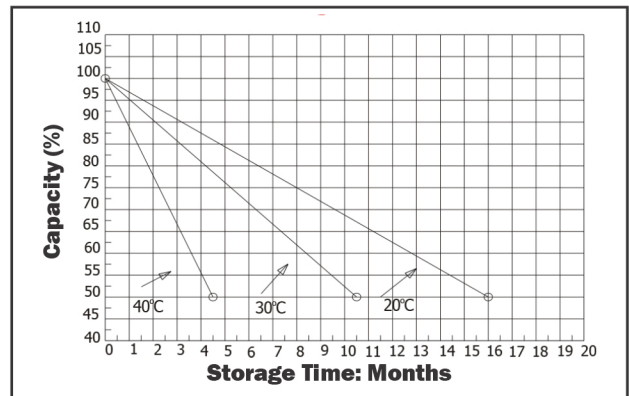
ISO 9001  
ISO 14001  
OHSAS18001



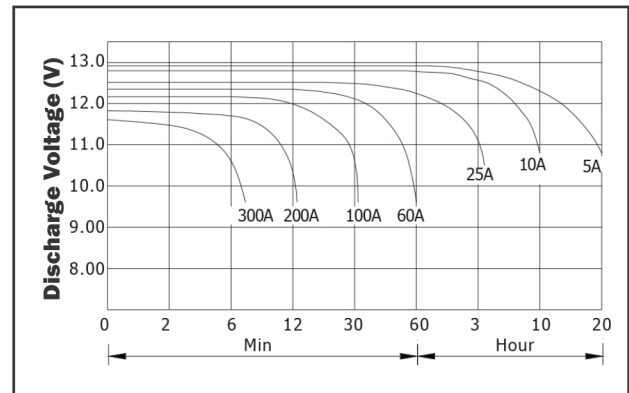
**Parameter Chart**

VOLT		12V	
Capacity(25°C)	10 hours rate (10A)	100Ah	
Discharge Current Testing (25°C)	1 hour rate (58.7A)	59Ah	
	3 hours rate (25.2A)	76 Ah	
Internal Resistance	Full Charged Battery 25°C	~5mΩ	
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 30A Voltage 14.5~14.9V	
	Float (25°C)	Charge Voltage 13.6~13.8V	
Weight (Approx)		30.5Kg	

**Self Discharge Characteristics**



**Discharge Characteristic (25°C)**

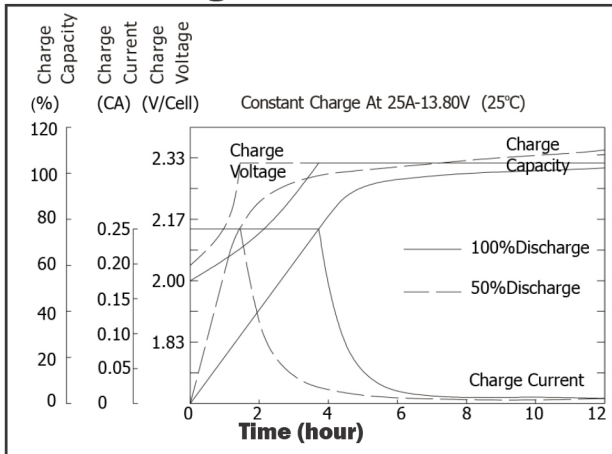


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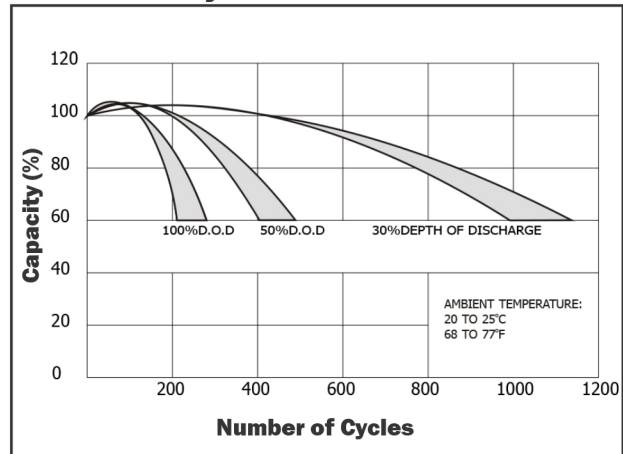
**12V/100Ah**

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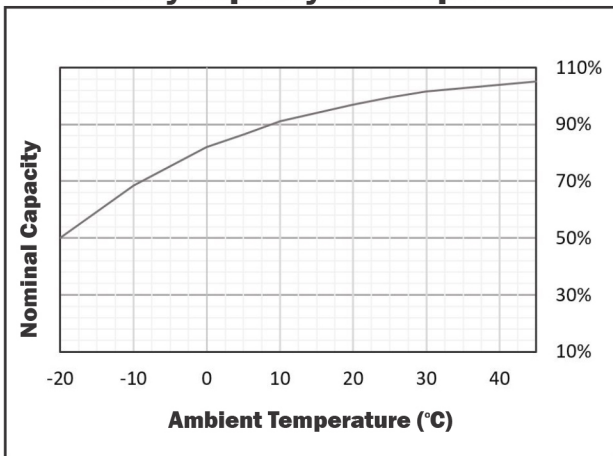
**Charge Characteristic**



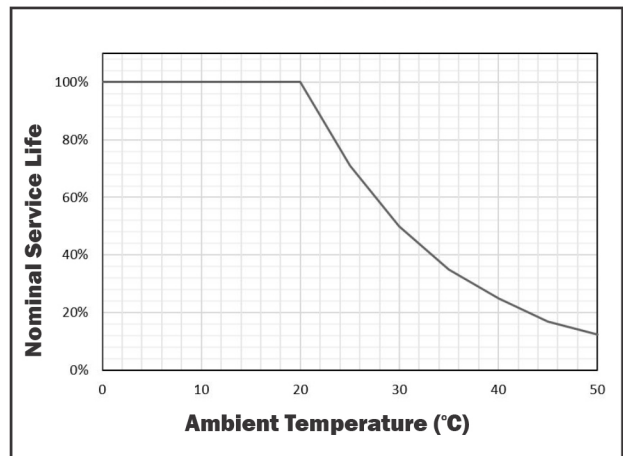
**Cycle Service Life**



**Battery Capacity VS Temperature**



**Service Life Time**



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

F.V/Time	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	217.8	173.3	106.9	64.4	36.1	26.1	18.3	12.1	10.2	5.4
10.2V	206.9	166.3	103.0	61.8	35.6	25.7	18.0	12.0	10.1	5.3
10.5V	201.0	162.4	100.0	60.5	35.3	25.5	17.8	12.0	10.1	5.3
10.8V	194.0	158.4	97.8	58.7	34.9	25.2	17.6	11.9	10.0	5.2

**Constant Power Discharge Characteristic(Watt,25°C)**

F.V/Time	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	2352.2	1902.8	1199.9	733.6	418.8	306.9	216.8	144.5	121.8	64.3
10.2V	2234.4	1826.6	1155.3	703.9	412.8	302.9	212.9	143.9	120.8	63.6
10.5V	2170.1	1782.0	1145.4	699.9	408.9	300.0	209.9	143.6	119.8	63.4
10.8V	2095.8	1739.4	1097.9	669.2	404.9	297.0	207.9	142.6	118.2	63.0