

MODEL: ADD12-7

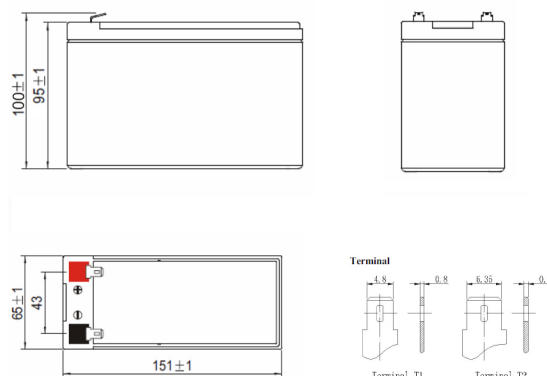
12V/7Ah

شرکت طراحی و توسعه آرکا شبکه



Plane Chart:

Unit:(mm)



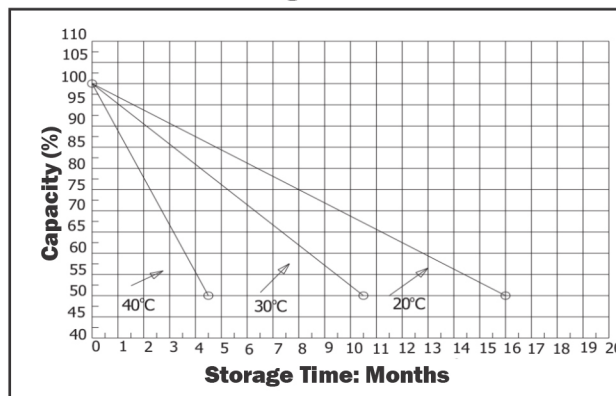
ISO 9001
ISO 14001
OHSAS 18001



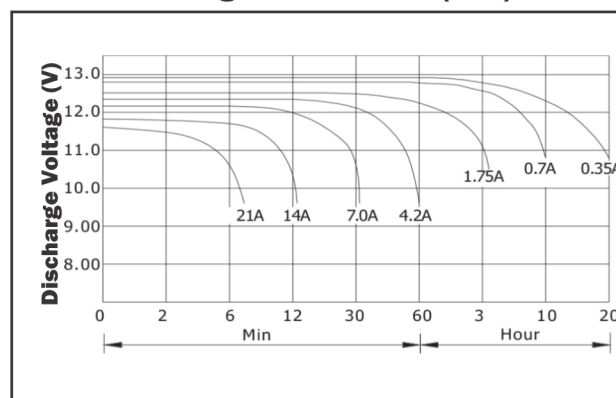
Parameter Chart

VOLT		12V
Capacity(25°C)	20 hours rate (0.35 A)	7Ah
Discharge Current Testing (25°C)	1 hour rate(4.1A)	4.1Ah
	3 hours rate(1.68A)	5.1Ah
Internal Resistance	Full Charged Battery 25°C	~24mΩ
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 2.1A Voltage 14.5~14.9V
	Float (25°C)	Charge Voltage 13.6~13.8V
Weight (Approx)		2.2Kg

Self Discharge Characteristics



Discharge Characteristic (25°C)

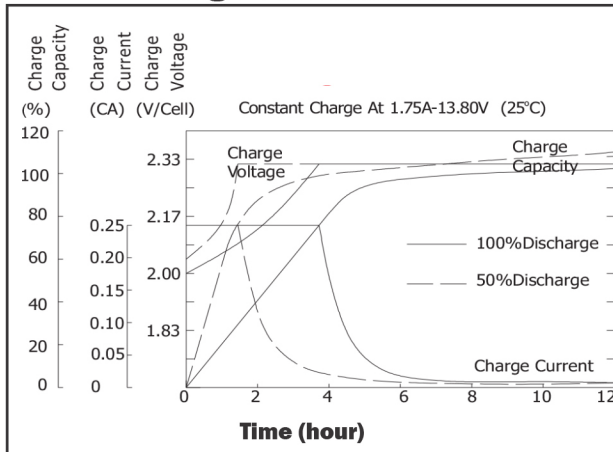


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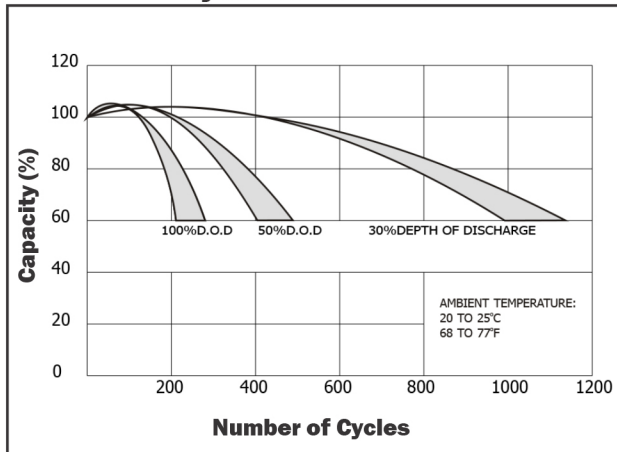
12V/7Ah

شرکت طراحی و توسعه آرکا شبکه

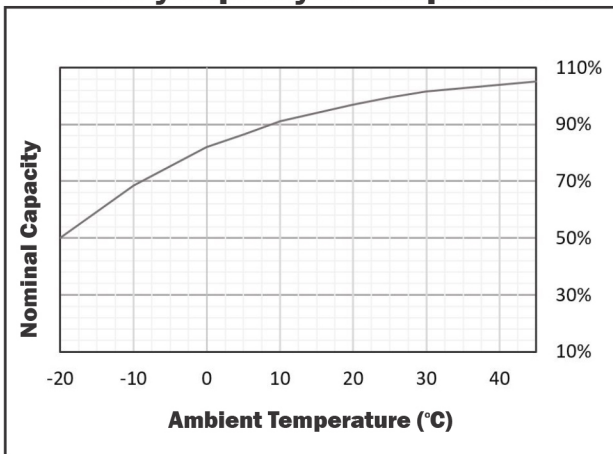
Charge Characteristic



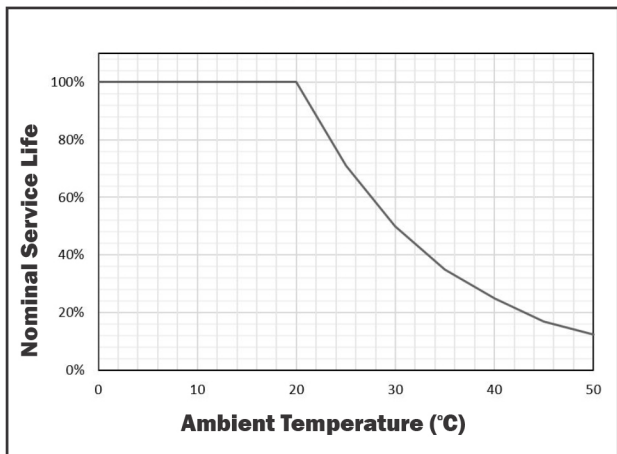
Cycle Service Life



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	25.4	13.4	8.09	6.02	4.55	2.61	1.89	1.25	0.96	0.71	0.39
10.2V	21.8	12.2	7.23	5.66	4.32	2.51	1.80	1.20	0.92	0.68	0.37
10.5V	21.4	11.6	7.01	5.54	4.18	2.45	1.71	1.19	0.90	0.66	0.36
10.8V	19.2	11.2	6.78	5.38	4.10	2.38	1.68	1.14	0.87	0.65	0.35

Constant Current Discharge Characteristics (Watt, 25°C)

F.V/Time	5min	15min	30min	45min	60min	2h	3h	5h	8h	10h	20h
9.60V	267.0	150.0	93.0	67.2	53.3	30.7	22.7	14.8	11.3	8.2	4.4
10.2V	244.2	139.8	88.4	63.6	50.9	29.8	21.7	14.7	11.1	8.0	4.3
10.5V	243.0	132.6	85.7	61.8	49.4	29.1	21.3	14.3	11.0	7.9	4.1
10.8V	223.8	124.8	81.0	59.5	47.8	28.3	20.8	14.0	10.9	7.8	4.0