

MODEL: ADD12-42

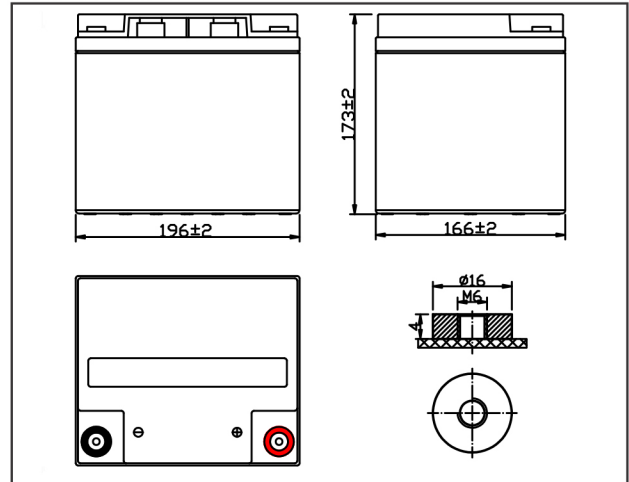
12V/42Ah

شرکت طراحی و توسعه آرکا شبکه



Plane Chart:

Unit:(mm)



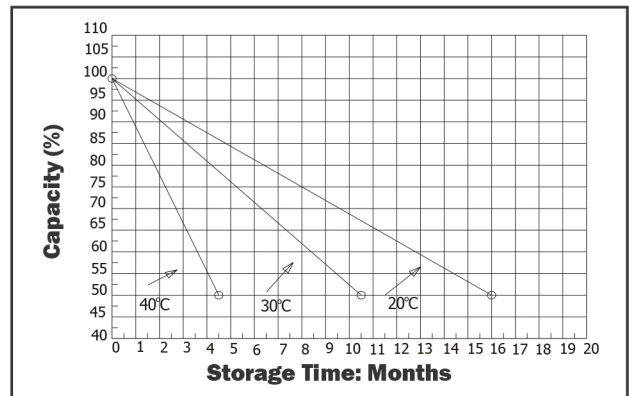
ISO 9001
ISO 14001
OHSAS18001



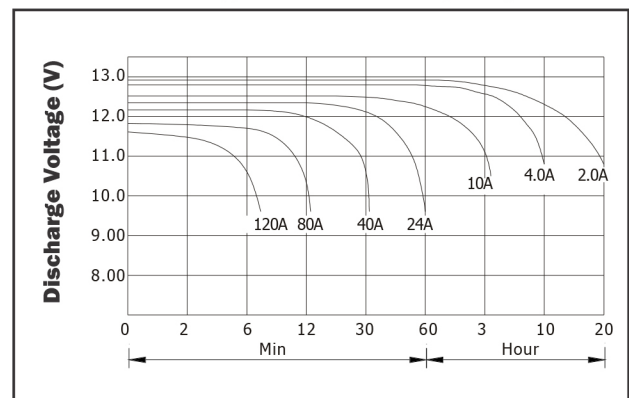
Parameter Chart

VOLT		12V	
Capacity(25°C)	20 hours rate (2.1A)	42Ah	
Discharge Current Testing (25°C)	1 hour rate(22.7A)	23Ah	
	3 hours rate(9.5A)	29Ah	
Internal Resistance	Full Charged Battery 25°C	~8mΩ	
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 12A Voltage 14.5~14.9V	
	Float (25°C)	Charge Voltage 13.6~13.8V	
Weight (Approx)		12.6Kg	

Self Discharge Characteristics



Discharge Characteristic (25°C)

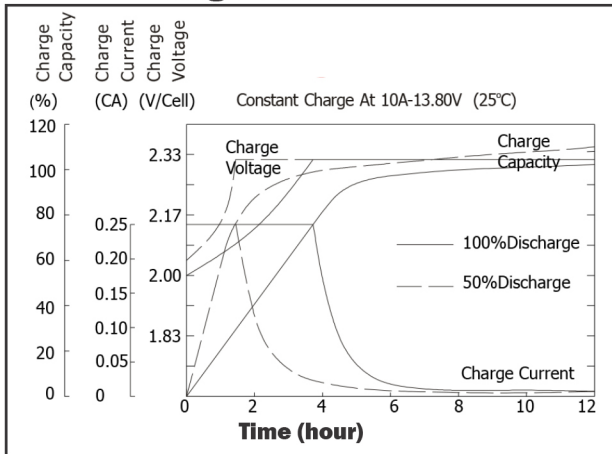


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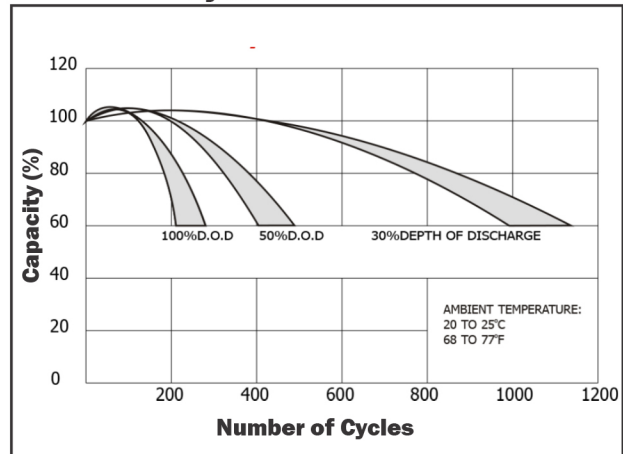
12V/42Ah

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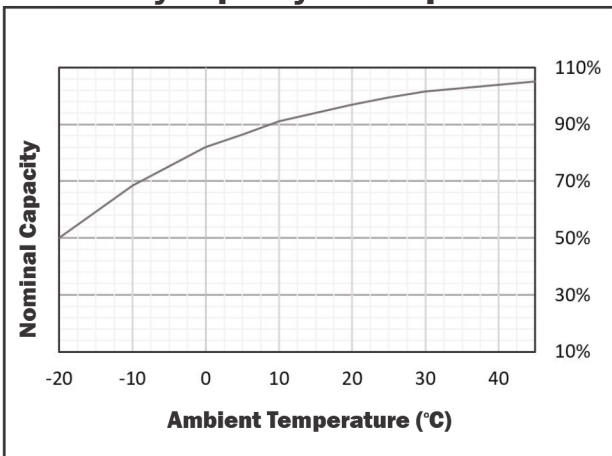
Charge Characteristic



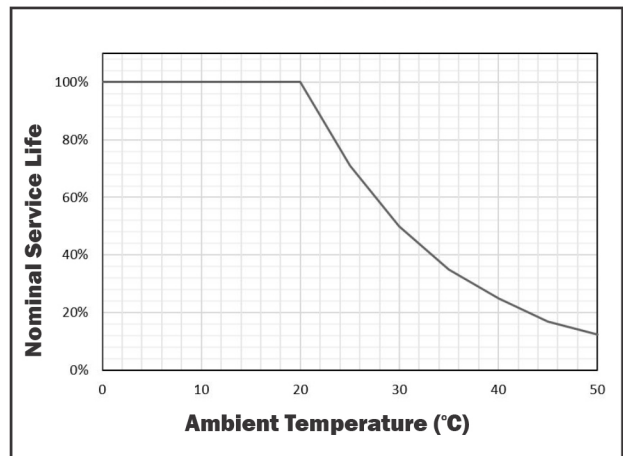
Cycle Service Life



Battery Capacity VS Temperature



Service Life Time



Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	5min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	120.2	80.0	62.8	40.0	23.9	13.9	9.9	7.0	4.6	4.0	2.2
10.2V	114.2	76.0	60.3	38.0	23.0	13.7	9.7	6.9	4.6	3.9	2.2
10.5V	110.7	73.6	58.8	37.0	22.4	13.6	9.6	6.8	4.6	3.8	2.1
10.8V	107.2	71.4	57.3	36.1	21.8	13.4	9.5	6.7	4.5	3.8	2.1

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/Time	10min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	1259.5	863.7	689.4	443.9	273.5	160.5	116.2	82.3	55.0	46.2	24.3
10.2V	1196.4	820.6	662.3	426.9	262.5	158.2	114.2	81.0	54.5	45.7	24.1
10.5V	1160.3	796.1	645.8	415.8	256.0	157.0	113.2	80.2	54.2	45.5	24.0
10.8V	1124.2	771.5	629.3	404.8	249.5	155.2	112.2	79.4	53.7	45.3	23.9