



12LSX-24

12V 24Ah

Design lifetime: 10 years



Q-Batteries 12LSX-24 is an AGM battery with extended design lifetime of 10 years. It is designed for stand-by applications such as emergency-lighting or UPS-systems.

Application:

burglar-systems, UPS-systems,
emergency-lighting-systems



Specification:

Voltage Per Unit	12 V		
Capacity	24 Ah (10 h)		
Cells Per Unit	6		
Weight	8.1 kg +/- 3%		
Max. Discharge Current	240A (5 sec.)		
Short circuit current	850A		
Operating Temperature Range	Discharge:	Charge:	Storage:
Normal	- 20°C – 60°C	-10°C – 60°C	- 20°C – 60°C

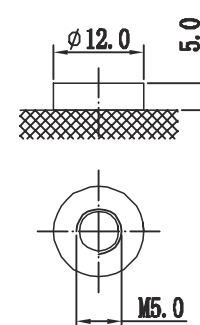
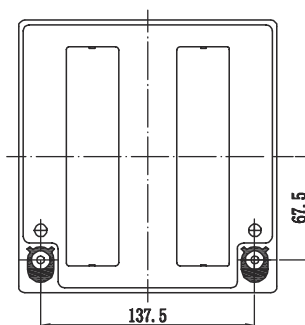
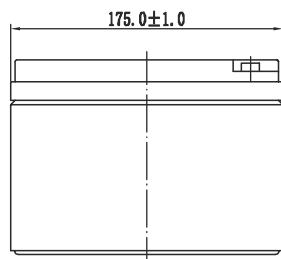
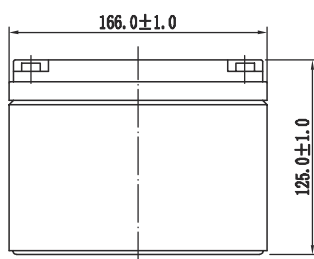
Self Discharge Valve Regulated Lead Acid (VRLA) batteries can be stored for more than 6 months at 25°C. Self-discharge ratio less than 3% per month at 25°C. Please charge batteries before using.

Terminal F13

Container Material A.B.S. (UL94-HB)

Dimensions:

166mm Length x 175mm Width x 125 mm Height



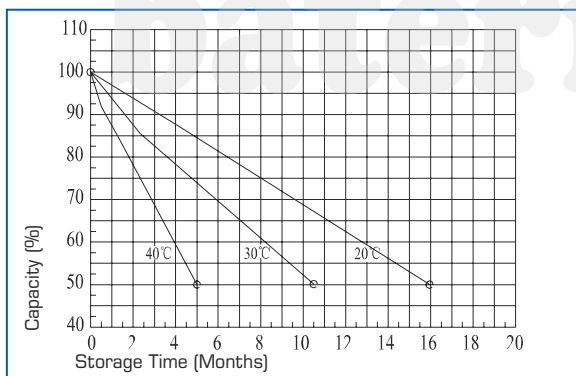
Constant current discharge characteristics: A (25°C)

F.V / Time	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60V	85.0	60.0	46.0	27.9	15.8	6.8	4.5	2.6	1.2
1.65V	79.5	56.3	43.3	26.3	15.1	6.54	4.34	2.52	1.19
1.70V	74.0	52.5	40.5	24.7	14.4	6.31	4.24	2.48	1.17
1.75V	68.5	48.8	37.8	23.1	13.7	6.09	4.13	2.44	1.16
1.80V	63.0	45.0	35.0	21.5	13.0	5.86	4.02	2.40	1.14

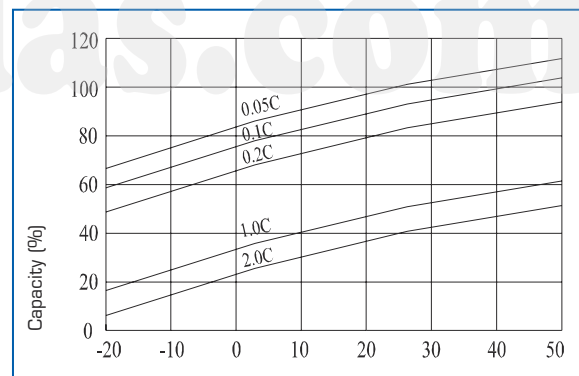
Constant current discharge characteristics: Watt (25°C)

F.V / Time	5 MIN	10 MIN	15 MIN	30 MIN	45 MIN	1 HR	2 HR	3 HR	5 HR
1.60V	150	107	82.2	50.0	36.5	29.0	17.7	13.0	8.83
1.65V	141	101	77.7	47.4	34.8	27.9	17.1	12.6	8.62
1.70V	131	94.3	73.1	44.8	33.0	26.8	16.4	12.2	8.42
1.75V	122	87.9	68.6	42.1	31.3	25.6	15.8	11.8	8.21
1.80V	112	81.5	64.0	39.5	29.5	24.5	15.1	11.4	8.00

Storage characteristic:



Capacity Factors with different Temperature:



Charging Method:

Charge the batteries at least once every six months, if they are stored at 25°C

Constant Voltage (V)
 $-0.2C \times 2h + 2.4-2.45V/Cell \times 24h$, max. Current 0.3CA

Constant Current (A)
 $-0.2C \times 2h + 0.1CA \times 12h$

Fast
 $-0.2C \times 2h + 0.3CA \times 4.0h$