



## 12LSX-9

12V 9Ah

Design lifetime: 10 years



Q-Batteries 12LSX-7.5 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

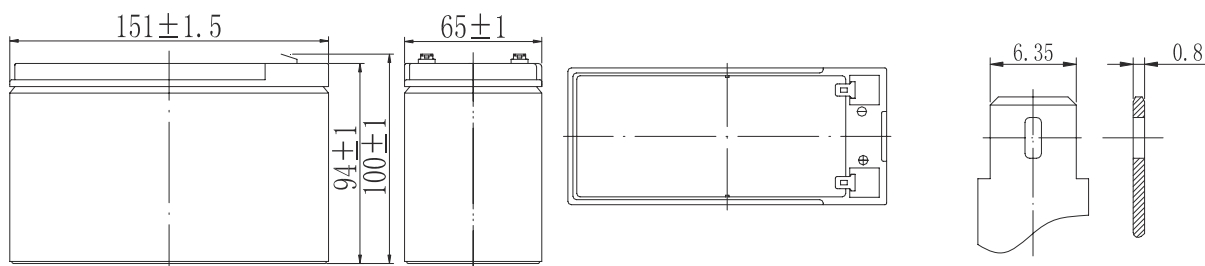


### Specification:

Voltage Per Unit	12 V		
Capacity	8,8 Ah (10 h)		
Cells Per Unit	6		
Weight	2.6 kg +/- 3%		
Max. Discharge Current	135 A (5 sec.)		
Operating Temperature Range Normal	Discharge: - 20°C – 60°C	Charge: - 10°C – 60°C	Storage: - 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	F2 (FastOn 6,3mm)		
Technology	AGM, Absorbent glass mat technology		
Container Material	A.B.S. (UL-94 V0)		
Recognized by	UL & CE		

### Dimensions:

151 mm Length x 65 mm Width x 94 (max. 100) mm Height



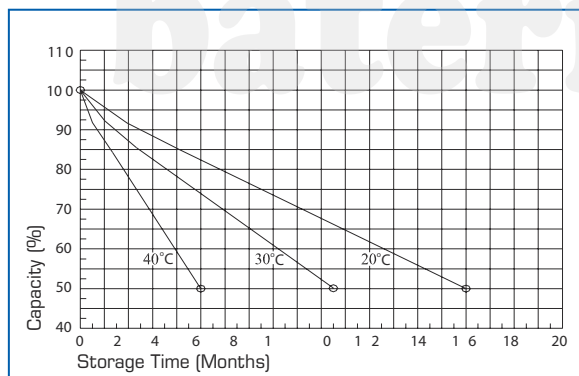
## Constant current discharge characteristics: A (25°C)

F.V / Time	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	2 HR	3 HR	4 HR	5 HR	10 HR	20 HR
9.60V	34.2	21.6	17.1	9.54	5.85	3.20	2.30	1.84	1.56	0.85	0.46
9.90V	33.2	21.0	16.7	9.35	5.76	3.18	2.28	1.83	1.55	0.85	0.45
10.2V	31.8	20.1	16.1	9.06	5.62	3.15	2.27	1.81	1.54	0.84	0.45
10.5V	30.4	19.2	15.5	8.84	5.50	3.10	2.25	1.80	1.53	0.84	0.45
10.8V	28.7	18.1	14.7	8.52	5.34	3.02	2.18	1.75	1.48	0.82	0.44

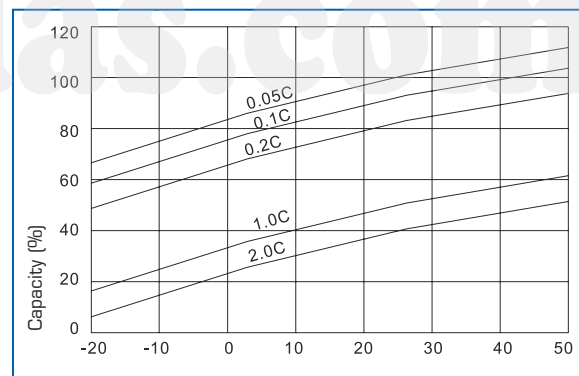
## Constant current discharge characteristics: Watt (25°C)

F.V / Time	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	2 HR	3 HR	4 HR	5 HR	10 HR	20 HR
9.60V	382	244	195	109	67.7	37.4	27.3	21.9	18.6	10.2	5.48
9.90V	370	236	190	107	66.7	37.2	27.1	21.7	18.5	10.2	5.46
10.2V	355	227	183	104	65.0	36.9	26.9	21.6	18.4	10.1	5.43
10.5V	340	217	177	101	63.7	36.3	26.7	21.4	18.3	10.0	5.40
10.8V	321	205	168	97.6	61.8	35.4	25.9	20.8	17.7	9.84	5.29

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