RESERVE POWER

AGM 10 JAHRESTYP

Q-BATTERIES QUALITY

12LSX-12

12 V 12 Ah

Design lifetime: 10 years

Q-Batteries 12LSX-12 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

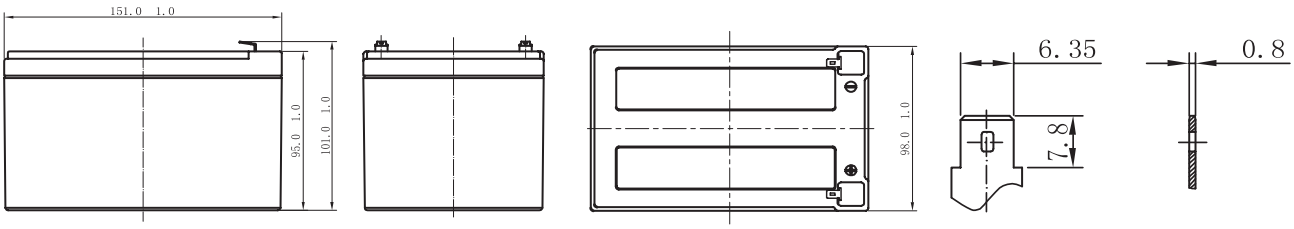
Specification:

Voltage Per Unit	12 V		
Capacity	12 Ah (10 h)		
Cells Per Unit	6		
Weight	3.76 kg +/- 3%		
Max. Discharge Current	160 A (5 sec.)		
Short circuit current	600 A		
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
Container Material	A.B.S. (UL94-HB)

Dimensions:

151 mm Length x 98 mm Width x 95 (max. 101) mm Height



Q-BATTERIES UALITY

12LSX-12

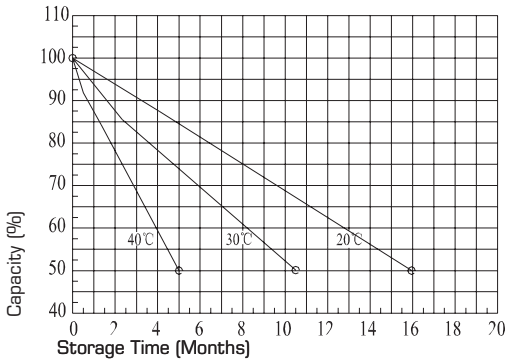
Constant current discharge characteristics: A (25°C)

F.V / Time	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60V	45.5	31.1	24.3	13.7	8.06	3.15	2.12	1.24	0.63
1.65V	44.1	30.2	23.8	13.4	7.96	3.12	2.10	1.23	0.63
1.70V	42.6	29.3	23.2	13.1	7.86	3.09	2.07	1.22	0.62
1.75V	41.2	28.4	22.7	12.9	7.77	3.06	2.05	1.21	0.62
1.80V	39.8	27.6	22.1	12.6	7.67	3.03	2.02	1.20	0.61

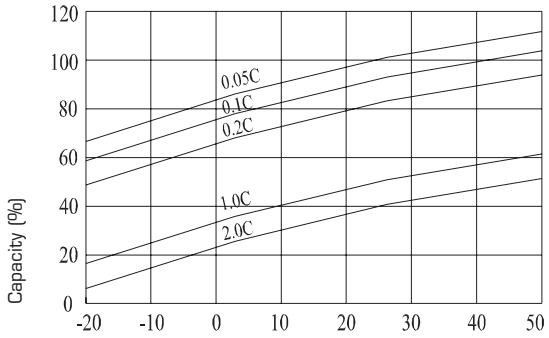
Constant current discharge characteristics: Watt (25°C)

F.V / Time	5 MIN	10 MIN	15 MIN	30 MIN	45 MIN	1 HR	2 HR	3 HR	5 HR
1.60V	84.5	57.5	45.8	26.7	20.4	15.9	8.42	6.44	4.16
1.65V	82.4	56.5	45.1	26.3	20.1	15.8	8.33	6.37	4.13
1.70V	80.3	55.5	44.4	25.9	19.9	15.6	8.25	6.31	4.10
1.75V	78.2	54.5	43.7	25.5	19.7	15.5	8.16	6.24	4.07
1.80V	76.0	53.5	43.0	25.1	19.4	15.3	8.08	6.18	4.04

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 x 2h + 2.4–2.45V/Cell x 24h, max. Current 0.3CA

Constant Current (A)
-0.2C x 2h + 0.1CA x 12h

Fast
-0.2C x 2h + 0.3CA x 4.0h

AKKU SYS
+ UND DIE ENERGIE KOMMT –

AKKU SYS Akkumulator- und Batterietechnik Nord GmbH

Verbindungsweg 48 · 25469 Halstenbek / Hamburg · GERMANY
Tel. +49 4101 | 3 76 76-0 / Fax +49 4101 | 3 76 76-66 / info@akkusys.de / www.akkusys.de