



12LS-26

12V 26Ah

VdS G112076

Design lifetime 5 years



Q-Batteries Security Akku 12LS-26 is an AGM battery with VdS-approval. It is designed for stand-by applications such as burglar-systems or UPS-systems.

Application

burglar-systems, UPS-systems,
fire-detecting-systems,
telecommunication-systems

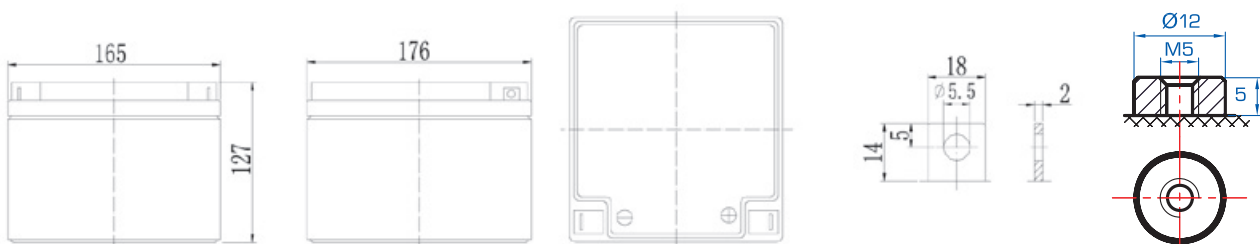


Specification

Voltage Per Unit	12 V		
Capacity	26 Ah (20 h) cell voltage 1.7V / cell		
Cells Per Unit	6		
Weight	ca. 8.0 kg +/- 3kg		
Max. Discharge Current	390 A (5 sec.)		
Internal Resistance	ca. 12m Ω		
Operating Temperature Range Normal	Discharge: - 15°C – 50°C	Charge: -10°C – 50°C	Storage: - 20°C – 50°C
Operating Temperature Range	25°C \pm 5°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	F3, F13		
Container Material	A.B.S. (UL94-HB)		

Dimensions

165 Length x 176 Width x 127 mm Height



F13 (Schraubanschluss M5)

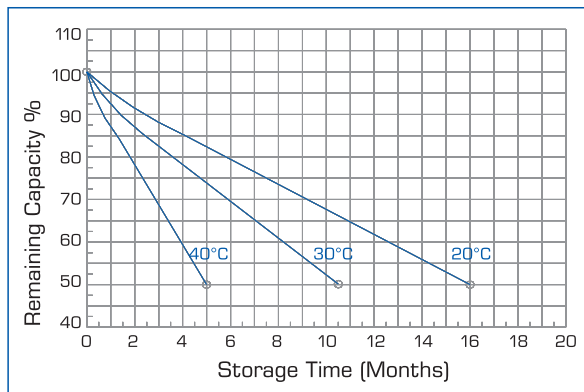
Constant current discharge characteristics: A (25°C)

FV/Time	5 Min.	10 Min.	15 Min.	30 Min.	1 HR	3 HR	5 HR	10 HR	20 HR
9.60 V	95,0	65,0	46,5	28,2	16,2	6,93	4,51	2,47	1,30
10,2 V	90,2	61,8	44,6	27,2	15,7	6,80	4,42	2,43	1,30
10,8 V	84,8	58,0	42,4	26,0	15,0	6,56	4,28	2,37	1,25

Constant current discharge characteristics: Watt (25°C)

FV/Time	5 Min.	10 Min.	15 Min.	30 Min.	1 HR	3 HR	5 HR	10 HR	20 HR
9.60 V	1.060	733	530	323	188	82,3	53,8	29,6	15,6
10,2 V	1.006	697	508	312	182	80,8	52,8	29,1	15,6
10,8 V	946	654	483	280	174	77,9	51,1	28,4	15,0

Storage characteristic:



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

Capacity Factors with different Temperature:

Battery Type		-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
GEL Battery	6V & 12V	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%
	2V	60%	75%	85%	88%	92%	99%	100%	103%	105%	106%
AGM Battery	6V & 12V	46%	66%	76%	83%	90%	98%	100%	103%	107%	109%
	2V	55%	70%	80%	85%	92%	99%	100%	104%	108%	110%