

AGM/ Bleivlies

USV

Q-Batteries 12LS-150 is an AGM battery, which is designed for standby applications such as fire-detecting-systems, UPS or burglar-systems.

Application:

UPS, security- and telecommunicationsystems etc.

Specification:

· · · · ·							
Voltage Per Unit	12 V						
Capacity	150 Ah	@20hr-rate to '	1.75V per cell @25°C				
Cells Per Unit	6						
Weight	ca. 44.5 kg +/- 3%	6					
Max. Discharge Current	1.500 A (5 sec.)						
Internal Resistance	ca. 4m 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 ± 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	F12 (M8 bolt)						
Container Material	A.B.S. (UL94-HB)						

Dimensions:

483 Length x 170 Width x 240 mm Height

	Terminal F12

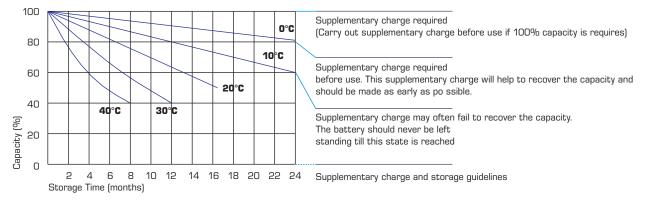
Constant current discharge characteristics: A (25°C)

12LS-150

BATTERIES

5 Min.	10 Min.	15 Min.	30 Min.	1 HR	2 HR	3 HR	4 HR	5 HR	8 HR	10 HR	20 HR
452.4	337.8	272.1	150.7	93.63	57.81	39.28	31.68	26.29	17.32	15.61	8.26
439.3	321.4	266.5	148.8	92.38	56.64	38.56	31.23	26.06	17.25	15.46	8.11
426.3	310.1	262.4	146.5	91.50	56.04	38.21	30.91	25.89	17:10	15.30	7.95
382.8	286.1	249.8	142.5	90.38	55.31	37.87	30.46	25.67	16.94	15.15	7.80
345.5	260.9	230.3	137.8	89.12	54.85	37.43	29.41	25.55	16.87	15.01	7.72
295.0	233.2	206.5	132.5	87.01	52.65	36.70	28.99	25.36	16.74	14.84	7.41
	452.4 439.3 426.3 382.8 345.5	452.4337.8439.3321.4426.3310.1382.8286.1345.5260.9	452.4337.8272.1439.3321.4266.5426.3310.1262.4382.8286.1249.8345.5260.9230.3	452.4337.8272.1150.7439.3321.4266.5148.8426.3310.1262.4146.5382.8286.1249.8142.5345.5260.9230.3137.8	452.4337.8272.1150.793.63439.3321.4266.5148.892.38426.3310.1262.4146.591.50382.8286.1249.8142.590.38345.5260.9230.3137.889.12	452.4337.8272.1150.793.6357.81439.3321.4266.5148.892.3856.64426.3310.1262.4146.591.5056.04382.8286.1249.8142.590.3855.31345.5260.9230.3137.889.1254.85	452.4 337.8 272.1 150.7 93.63 57.81 39.28 439.3 321.4 266.5 148.8 92.38 56.64 38.56 426.3 310.1 262.4 146.5 91.50 56.04 38.21 382.8 286.1 249.8 142.5 90.38 55.31 37.87 345.5 260.9 230.3 137.8 89.12 54.85 37.43	452.4337.8272.1150.793.6357.8139.2831.68439.3321.4266.5148.892.3856.6438.5631.23426.3310.1262.4146.591.5056.0438.2130.91382.8286.1249.8142.590.3855.3137.8730.46345.5260.9230.3137.889.1254.8537.4329.41	452.4337.8272.1150.793.6357.8139.2831.6826.29439.3321.4266.5148.892.3856.6438.5631.2326.06426.33101262.4146.591.5056.0438.2130.9125.89382.8286.1249.8142.590.3855.3137.8730.4625.67345.5260.9230.3137.889.1254.8537.4329.4125.55	452.4 337.8 272.1 150.7 93.63 57.81 39.28 31.68 26.29 17.32 439.3 321.4 266.5 148.8 92.38 56.64 38.56 31.23 26.06 17.25 426.3 310.1 262.4 146.5 91.50 56.04 38.21 30.91 25.89 17.10 382.8 286.1 249.8 142.5 90.38 55.31 37.87 30.46 25.67 16.94 345.5 260.9 230.3 137.8 89.12 54.85 37.43 29.41 25.55 16.94	452.433782721150.793.6357.8139.2831.6826.2917.3215.61439.3321.4266.5148.892.3856.6438.5631.2326.0617.2515.46426.33101262.4146.591.5056.0438.2130.9125.8917.1015.30382.8286.1249.8142.590.3855.3137.8730.4625.6716.9415.15345.5260.9230.3137.889.1254.8537.4329.4125.5516.8715.01

Storage characteristic:



Capacity Factors with different Temperature:

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

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