

DYNAMIS

LEAD-LINE 5-12 S

Rechargeable Sealed Lead-Acid Battery



Specification

Nominal Voltage (V) 12V

Nominal Capacity

20 hour rate (0,25A to 10,50V)	5Ah
10 hour rate (0,5A to 10,50V)	4,75Ah
5 hour rate (0,85A to 10,20V)	4,25Ah
1C (5A to 9,60V)	2,25Ah
3C (15A to 9,60V)	1,8Ah

Weight 1,83 kg

Internal Resistance (at 1kHz) 19 mΩ

Maximum Discharge Current for 30 seconds: 100A

Maximum Discharge Current for 5 seconds: 200A

Operating Temperature Range

Charge	0°C to 40°C
Discharge	-15°C to 50°C
Storage	-15°C to 40°C

Charge Retention (shelf life) at 20°C

1 month	92%
3 month	90%
6 month	80%

Charging Methods at 25°C

Cycle use:

Charging Voltage 14,4 to 15,0V
Maximum Charging Current: 1,5A

Standby use:

Float Charging Voltage 13,50 to 13,80V

Life expectancy:

Cycle Use:

100% depth of discharge 200 cycles
80% depth of discharge 225 cycles
50% depth of discharge 500 cycles

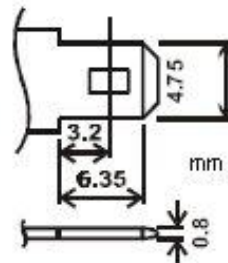
Standby Use:

3 ~ 5 years

Case Material: ABS

(Option: 94-HB & 94V-0 flame retardant case)

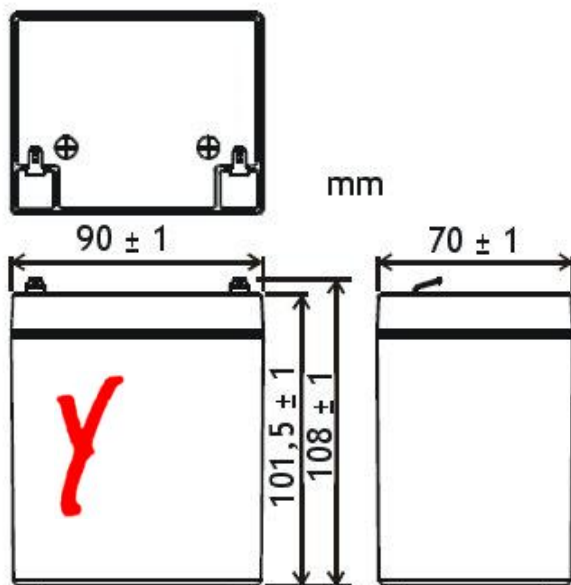
Terminal Type: S



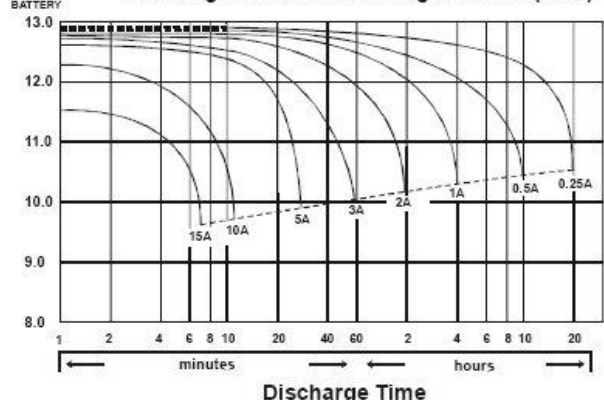
S-pole

Order no. 60.05030

Certified according to UL.



Discharge Time VS. Discharge Current (25°C)



PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25°C

Time	11,40V	11,10V	10,80V	10,50V	10,20V	9,90V	9,60V
1	373	384	394	404	416	427	440
2	320	355	369	377	385	393	400
3	282	309	341	363	367	373	378
5	240	259	277	293	299	319	326
7	203	225	241	248	250	263	266
10	169	186	197	203	204	210	212
15	132	143	151	155	157	158	159
20	109	118	124	126	127	128	129
30	81,2	87,2	90,6	92,3	93,0	93,5	93,7
60	46,8	50,6	52,3	53,0	53,3	53,5	53,6
90	32,7	35,6	36,8	37,3	37,5	37,7	37,8
120	25,6	27,7	28,7	29,1	29,3	29,4	29,5
180	18,3	19,6	20,3	20,5	20,6	20,7	20,8
240	14,4	15,3	15,8	16,0	16,1	16,1	16,2
300	11,9	12,7	13,0	13,2	13,3	13,3	13,4
360	10,3	10,8	11,1	11,3	11,3	11,4	11,4
480	7,85	8,35	8,59	8,70	8,75	8,78	8,80
600	6,36	6,77	6,97	7,05	7,09	7,12	7,14
1200	3,31	3,54	3,64	3,68	3,70	3,71	3,72