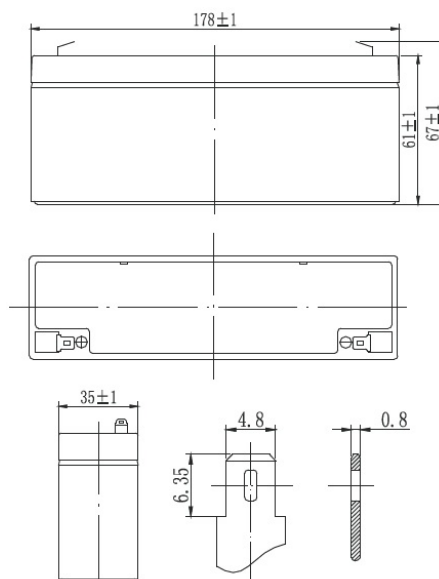




Nominal voltage	12 V	
Nominal capacity	2,3 Ah @ C20 to 1,75 V/cell	
Dimensions	Length	178 mm
	Width	35 mm
	Height / Total height	61 / 67 mm
Weight	~ 0,99 kg	
Technology	VRLA (Valve Regulated Lead Acid) AGM (Absorbent Glass Mat)	
Design life time	6-9 years (standby use)	
Internal resistance	~ 60,0 mΩ (full charged)	
Operating temperature range	Discharge	-20°C ~ +60°C
	Charge	0°C ~ +50°C
	Storage	-20°C ~ +60°C
Maximum discharge current	34,5 A (5 sec.)	
Recommended maximum charging current	0,69 A	
Charging voltage	Standby use	13,7 ~ 13,9 VDC
	Cycle use	14,6 ~ 14,8 VDC
Self discharge	Monthly is less than 3% at 25°C	
Container material	ABS UL94HB (optional UL94-V0)	
Terminal types	fast-on 4,8 mm	



### CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A at 25°C)

Napięcie / czas	5 min	10 min	15 min	30 min	1 h	3 h	5 h	10 h	20 h
9.6 V	9,00	5,70	4,40	2,50	1,46	0,59	0,41	0,22	0,120
9.9 V	8,64	5,47	4,27	2,41	1,38	0,57	0,40	0,22	0,120
10.2 V	8,27	5,23	4,13	2,29	1,29	0,54	0,39	0,21	0,120
10.5 V	7,89	4,98	3,98	2,16	1,19	0,49	0,37	0,20	0,115
10.8 V	7,50	4,72	3,82	2,02	1,08	0,45	0,34	0,18	0,103

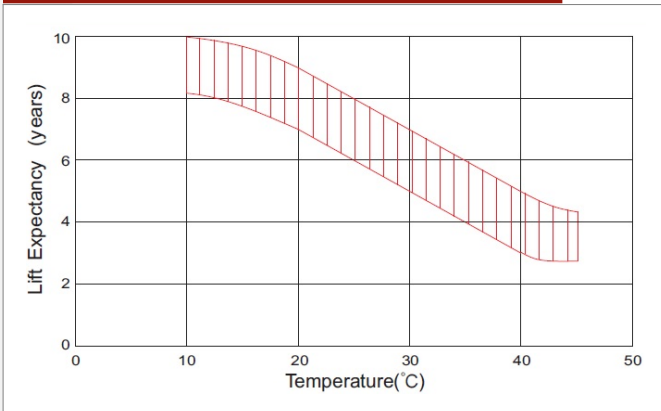
### CONSTANT POWER DISCHARGE CHARACTERISTICS (W at 25°C)

Napięcie / czas	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	5 h
9.6 V	105,0	66,00	51,00	28,98	21,00	16,68	9,24	6,48	4,50
9.9 V	100,2	63,00	48,84	27,12	20,28	14,76	8,70	6,24	4,44
10.2 V	96,0	60,00	47,16	25,68	19,50	13,68	8,10	5,88	4,38
10.5 V	91,8	56,76	45,36	24,12	18,66	12,54	6,84	5,58	4,26
10.8 V	86,4	53,64	43,44	22,44	18,00	11,16	6,12	5,04	3,72

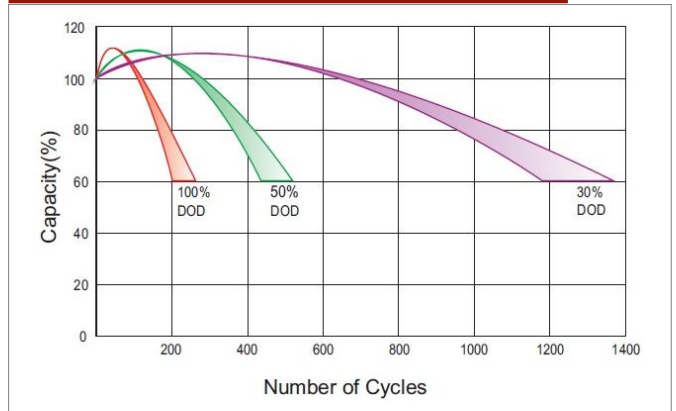
### ACCORDING WITH:

PN-EN 60896-21:2007	ISO 9001
PN-EN 60896-22:2007	ISO 14001
PN-EN 61056-1:2013	
PN-EN 61056-2:2013	
PN-E-83016:1999	

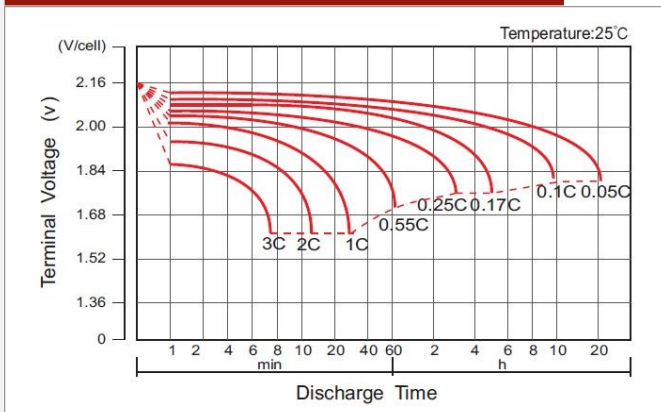
### EFFECT OF TEMPERATURE ON LONG TERM LIFE



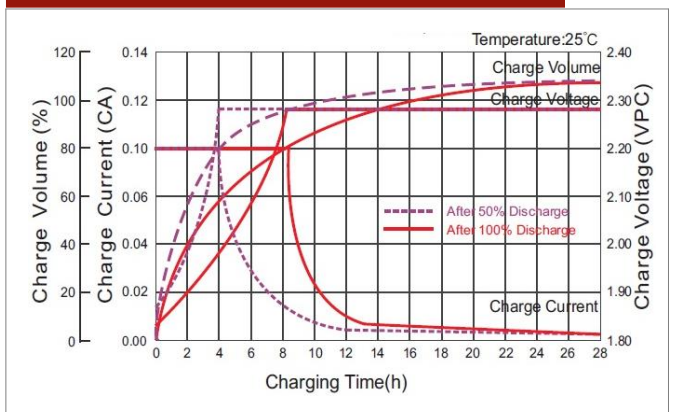
### CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



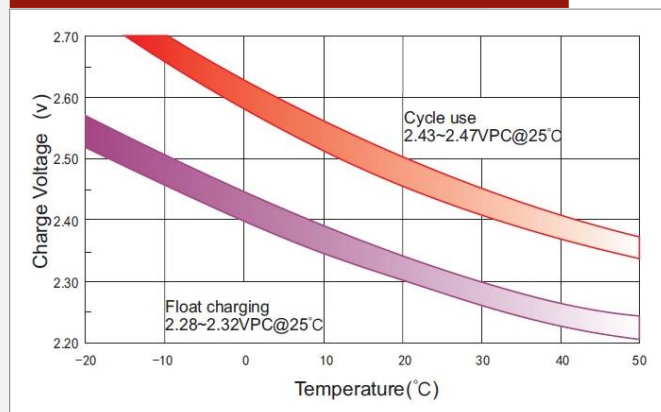
### DISCHARGE CHARACTERISTICS



### CHARGE CHARACTERISTIC FOR STANDBY USE



### RELATIONSHIP BETWEEN CHARGING VOLTAGE AND TEMPERATURE



### STORAGE CHARACTERISTICS

