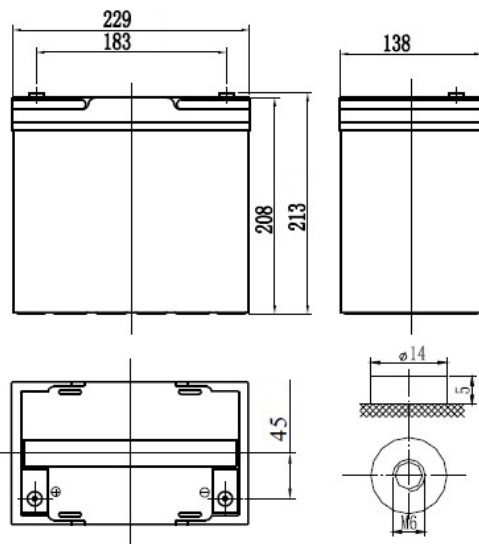




Nominal voltage	12 V	
Nominal capacity	58,8 Ah @ C20 to 1,75 V/cell 55,0 Ah @ C10 to 1,80 V/cell	
Dimensions	Length	229 mm
	Width	138 mm
	Height / Total height	208 / 213 mm
Weight	~ 18,0 kg	
Technology	VRLA (Valve Regulated Lead Acid) AGM (Absorbent Glass Mat)	
Design life time	12 years (standby use)	
Internal resistance	~ 7,2 mΩ (full charged)	
Operating temperature range	Discharge	-20°C ~ +60°C
	Charge	0°C ~ +50°C
	Storage	-20°C ~ +60°C
Maximum discharge current	550 A (5 sek.)	
Short circuit current	1 400 A	
Recommended maximum charging current	16,5 A	
Charging voltage	Standby use	13,6 ~ 13,8 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	Internal thread M6 (breaking torque 8-10Nm)	



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

Voltage / Time	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
9.6 V	180,00	137,00	103,00	61,90	36,90	20,70	15,20	12,50	10,10	6,84	5,76	2,98
10.0 V	173,00	131,00	99,20	60,00	35,90	20,20	14,80	12,20	9,81	6,66	5,71	2,97
10.2 V	164,00	125,00	94,20	58,10	35,00	19,80	14,50	11,90	9,64	6,55	5,66	2,96
10.5 V	155,00	118,00	89,20	56,20	34,10	19,30	14,10	11,70	9,46	6,43	5,61	2,94
10.8 V	144,00	109,00	82,70	54,20	33,30	18,90	13,80	11,40	9,29	6,31	5,50	2,91
11.1 V	138,00	105,00	77,00	52,10	32,00	18,10	13,30	11,00	8,92	6,06	5,33	2,80

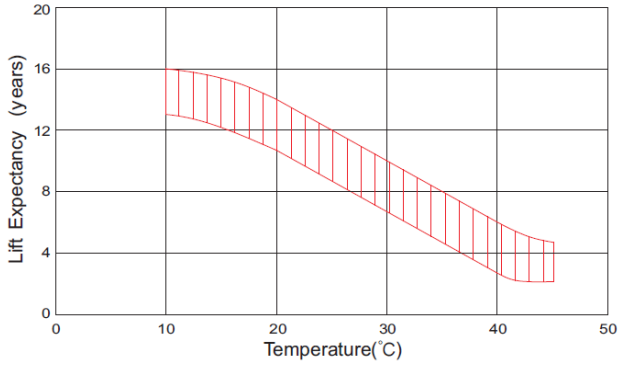
### CONSTANT POWER DISCHARGE CHARACTERISTICS (W at 25°C)

Voltage / Time	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
9.6 V	2065,0	1572,0	1176,0	702,0	433,8	257,4	181,8	150,6	117,0	80,9	61,0	30,9
10.0 V	1976,0	1506,0	1128,0	690,0	424,2	252,0	177,6	147,5	115,2	79,7	60,0	30,4
10.2 V	1887,0	1434,0	1074,0	678,0	414,6	247,2	174,0	144,4	112,2	78,0	58,7	29,8
10.5 V	1809,0	1374,0	1032,0	666,0	405,0	240,6	170,4	141,3	111,0	77,1	58,1	29,5
10.8 V	1719,0	1308,0	978,0	660,0	394,2	234,6	164,4	138,2	110,4	76,7	57,8	29,3
11.1 V	1651,0	1256,0	940,0	632,0	378,6	225,1	159,9	132,6	106,2	73,6	55,5	28,1

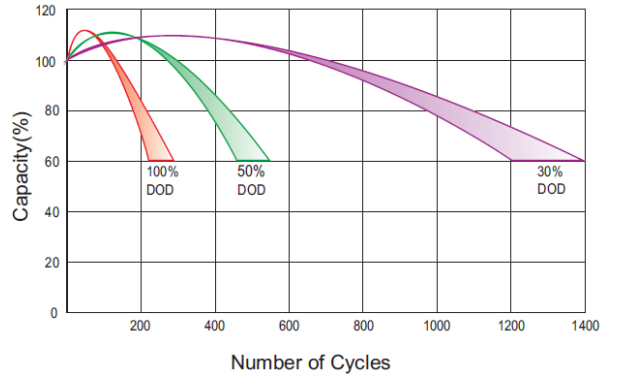
### According with:

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	

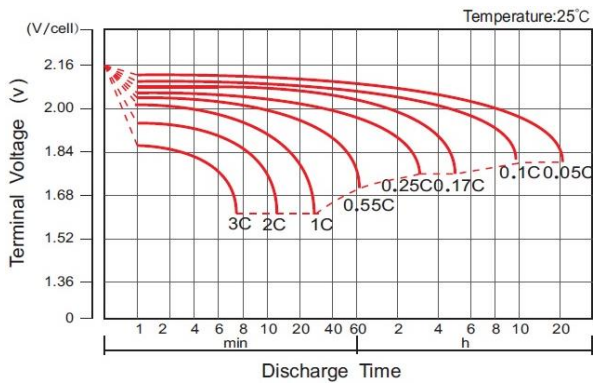
### EFFECT OF TEMPERATURE ON LONG TERM LIFE



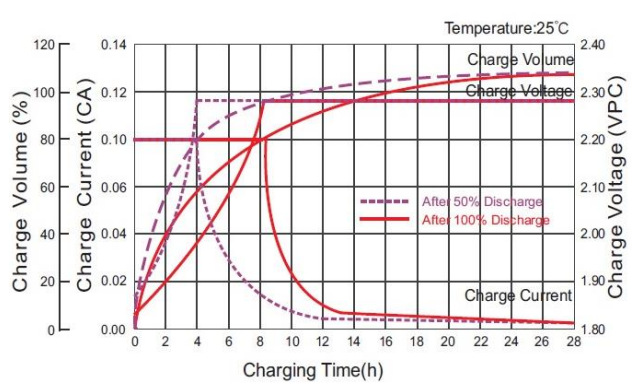
### CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



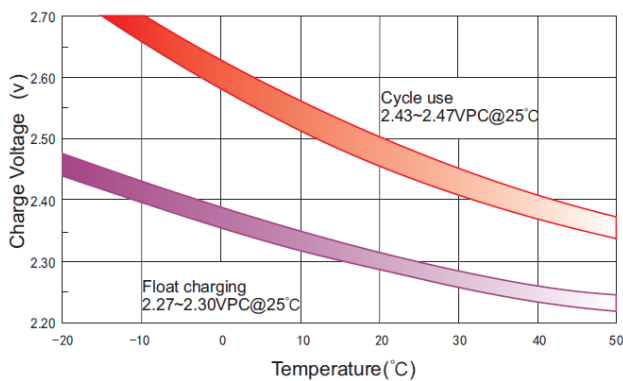
### DISCHARGE CHARACTERISTICS



### CHARGE CHARACTERISTIC FOR STANDBY USE



### RELATIONSHIP BETWEEN CHARGING VOLTAGE AND TEMPERATURE



### STORAGE CHARACTERISTICS

