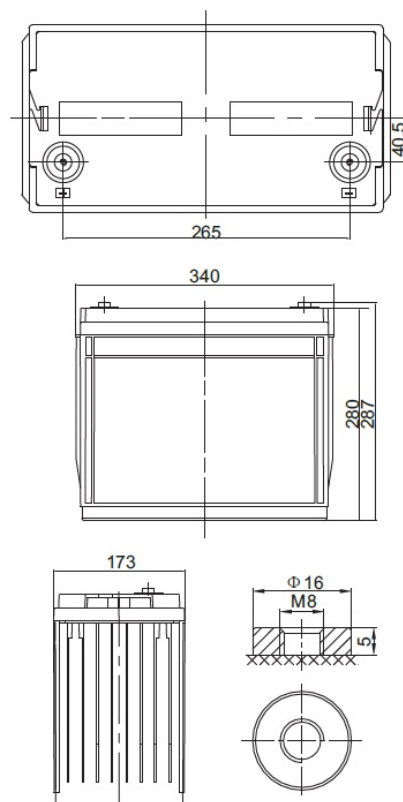


Nominal voltage	12 V	
Nominal capacity	141,6 Ah @ C20 to 1,75 V/cell 134,1 Ah @ C10 to 1,80 V/cell	
Dimensions	Length	340 mm
	Width	173 mm
	Height / Total height	280 / 287 mm
Weight	~ 41,5 kg	
Technology	VRLA (Valve Regulated Lead Acid) AGM (Absorbent Glass Mat)	
Design life time	12 years (standby use)	
Internal resistance	~ 4,4 mΩ (full charged)	
Operating temperature range	Discharge	-20°C ~ +60°C
	Charge	0°C ~ +50°C
	Storage	-20°C ~ +60°C
Maximum discharge current	1 340 A (5 sec.)	
Short circuit current	2 480 A	
Recommended maximum charging current	40,2 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 M8 (breaking torque 10-12 Nm)	



## 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	446,67	312,71	241,22	142,01	83,34	49,93	36,66	29,78	25,14	16,80	14,28	7,33
10.0 V	430,54	303,38	234,90	138,89	81,79	49,20	36,17	29,41	24,85	16,63	14,15	7,27
10.2 V	409,54	291,17	226,59	134,77	79,75	48,22	35,52	28,91	24,46	16,40	13,97	7,19
10.5 V	382,57	275,34	215,77	129,37	77,06	46,94	34,66	28,26	23,95	16,10	13,73	7,08
10.8 V	348,57	255,14	201,85	122,38	73,55	45,25	33,53	27,40	23,27	15,70	13,41	6,95
11.1 V	306,74	229,86	184,29	113,45	69,03	43,05	32,05	26,27	22,38	15,18	12,99	6,76

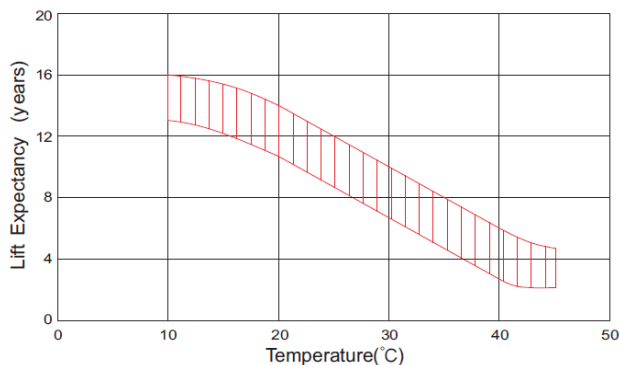
## CONSTANT POWER DISCHARGE CHARACTERISTICS (W at 25°C)

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	4617,1	3240,0	2568,1	1570,8	949,0	576,3	426,4	348,1	295,1	199,8	171,0	87,8
10.0 V	4564,3	3223,9	2553,5	1559,2	941,2	572,0	423,3	345,6	293,2	198,4	169,7	87,3
10.2 V	4390,2	3128,6	2484,7	1521,5	920,9	562,4	416,8	340,6	289,2	195,9	167,7	86,4
10.5 V	4175,0	3011,9	2400,4	1475,6	894,3	549,9	408,4	334,2	284,1	192,7	165,0	85,3
10.8 V	3870,2	2839,5	2277,4	1409,9	857,7	532,8	396,6	325,1	277,0	188,4	161,3	83,7
11.1 V	3466,4	2603,7	2108,7	1320,0	810,7	509,7	380,8	312,9	267,3	182,5	156,5	81,6

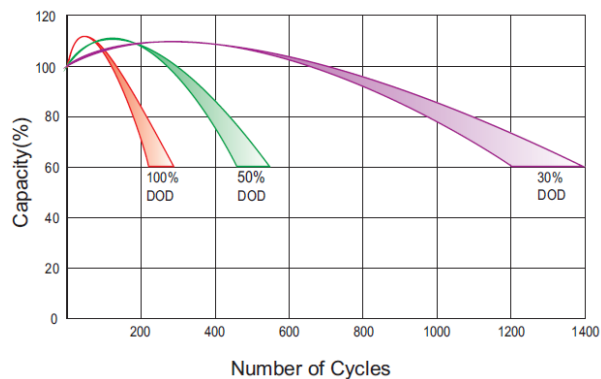
## According with:

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	

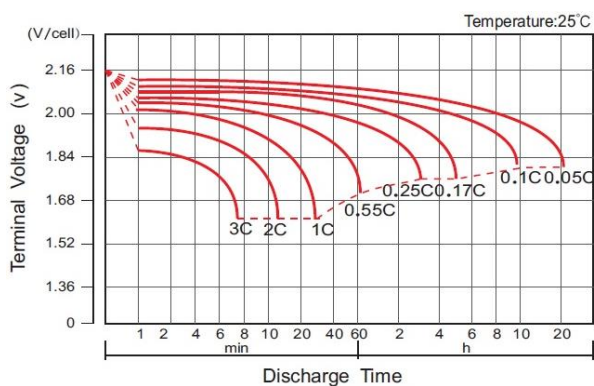
## EFFECT OF TEMPERATURE ON LONG TERM LIFE



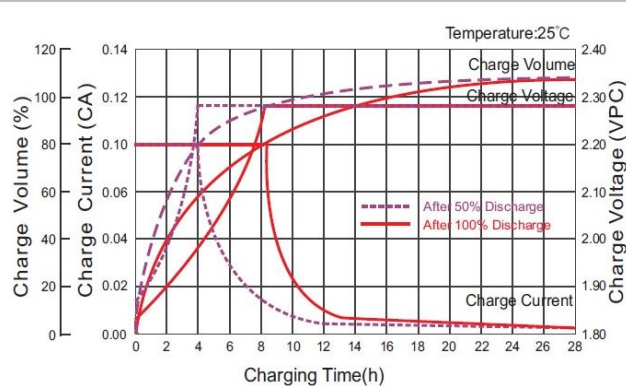
## CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



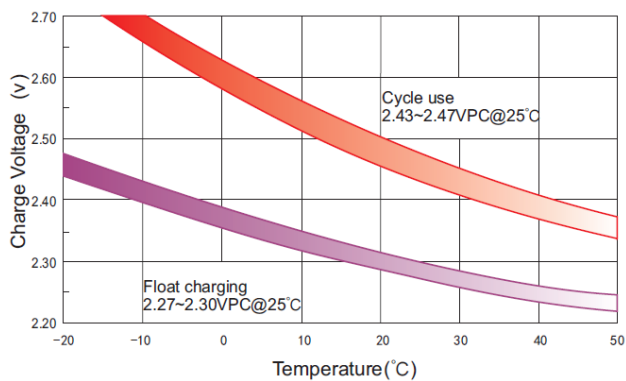
## DISCHARGE CHARACTERISTICS



## CHARGE CHARACTERISTIC FOR STANDBY USE



## RELATIONSHIP BETWEEN CHARGING VOLTAGE AND TEMPERATURE



## STORAGE CHARACTERISTICS

