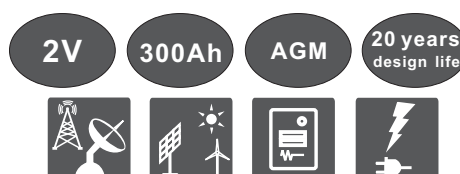
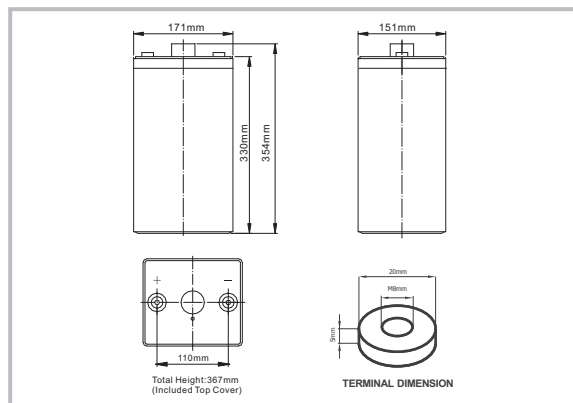


2V AGM SERIES VRLA BATTERY

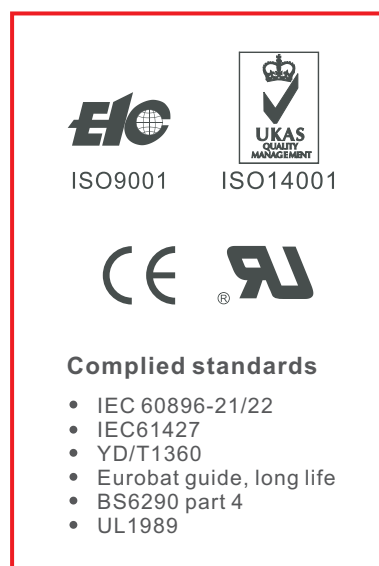
HX Series is specially designed for deep cycling discharge with 20 years design life. By using strong grids and specially designed active material, the HX series battery offers 30% more cyclic life than the standby series. It is suitable for solar & wind energy system, golf cart, electric wheelchair, etc.

DIMENSIONS



SPECIFICATIONS

Nominal Voltage (V)	2
Designed Floating Life (20°C)	20+ Years
Nominal Capacity (20°C)	300 Ah @ C10 (to 1.80Vpc)
Dimensions	L171mm×W151mm×H330mm×TH364mm
Approx. Weight	18.5 kg (40.8 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.75mOhm (fully charged @ 20°C)
Max. Charge Current	60 A
Max. Discharge Current (5S)	1500 A
Short Circuit Current	2650 A
Self Discharge	Approx. 3% per month @ 20°C
Ambient Temperature	Discharge: -40~60°C Charge: -15~55°C Storage: -15~55°C
Float Charge Voltage (20~25°C)	2.25-2.29V (-3mV / °C/ cell)
Equalize Charge Voltage (20~25°C)	2.35-2.40V (-5mV / °C/ cell)
Container Material	ABS(UL94-V0 optional)



BATTERY DISCHARGE TABLE

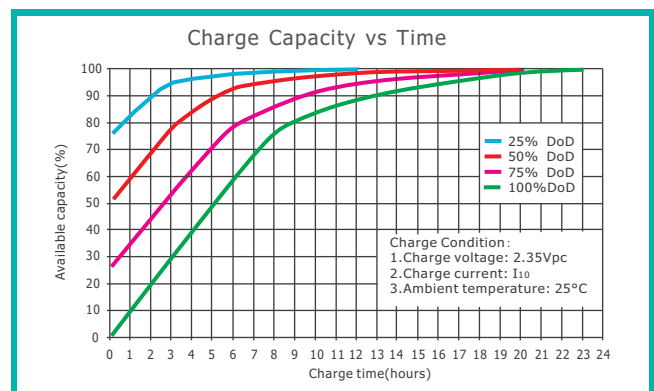
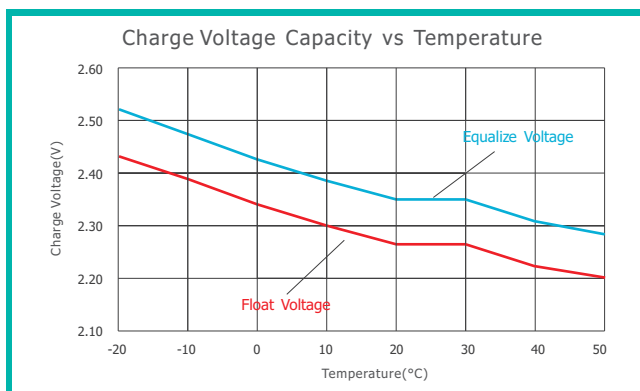
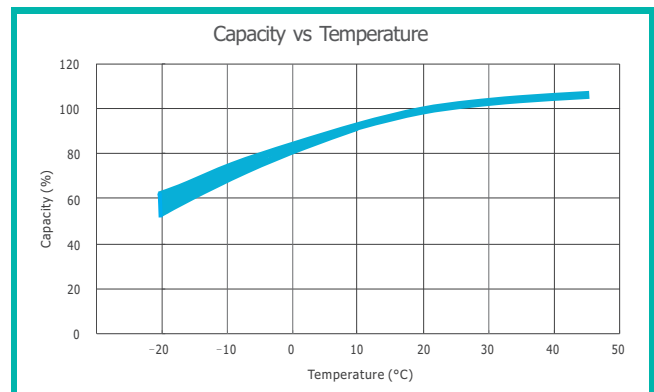
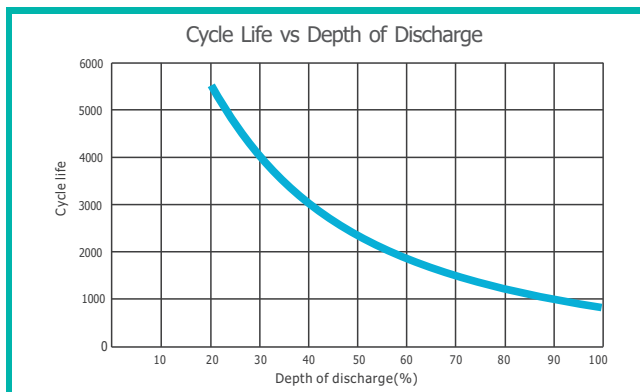
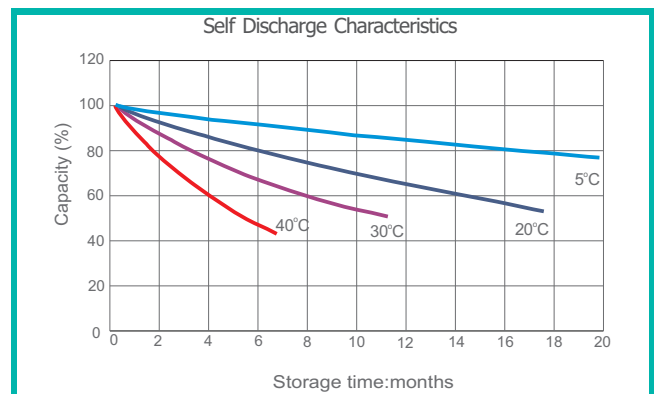
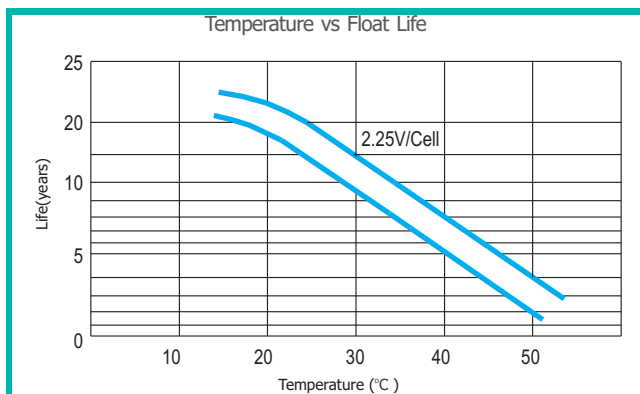
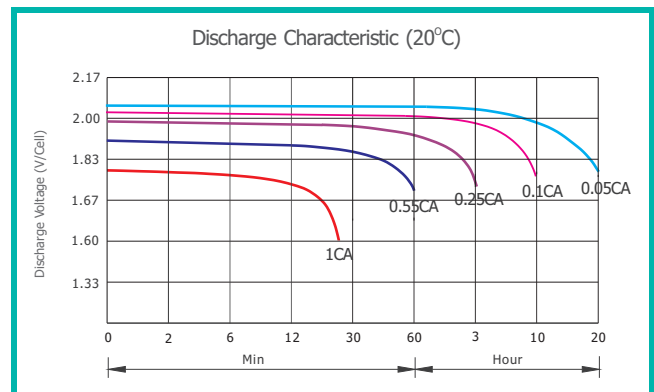
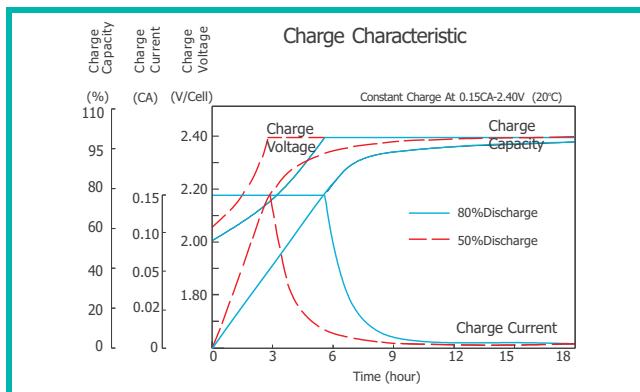
Constant Current Discharge Characteristics: Amps (20°C)

F. V/Time	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1. 60V	270	180	110	78.0	62.7	54.5	46.8	36.7	30.5	16.0	13.9
1. 65V	265	177	109	77.6	62.4	54.1	46.5	36.5	30.5	16.0	13.9
1. 70V	257	173	108	77.0	61.9	53.8	46.2	36.3	30.4	16.0	13.8
1. 75V	250	169	106	76.5	61.5	53.4	45.9	36.0	30.2	15.9	13.7
1. 80V	241	164	104	74.2	59.7	51.8	44.5	34.9	30.0	15.8	13.7

Constant Power Discharge Characteristics: W/cell (20°C)

F. V/Time	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1. 60V	505	342	212	153	123	107	92.2	73.1	60.8	32.1	27.9
1. 65V	495	337	210	152	122	107	91.7	72.6	60.7	32.0	27.9
1. 70V	480	328	208	151	121	106	91.1	72.1	60.5	31.9	27.8
1. 75V	468	322	205	150	121	105	90.4	71.6	60.1	31.7	27.6
1. 80V	451	312	200	145	117	102	87.7	69.5	59.7	31.5	27.4

CHARACTERISTICS



FINAL VOLTAGE SETTINGS RECOMMENDED ACCORDING TO THE DISCHARGE CURRENT

Discharge Current I (A)	$I < 0.05C$	$0.05C \leq I < 0.08C$	$0.08C \leq I < 0.2C$	$0.2C \leq I < 0.6C$	$0.6C \leq I < 1.0C$	$1C \leq I < 2C$
Final of Voltage	$\geq 1.90Vpc$	$\geq 1.85Vpc$	$\geq 1.80Vpc$	$\geq 1.75Vpc$	$\geq 1.7Vpc$	$\geq 1.6Vpc$