

**SPECTRA
INVERTERS**

A Product of



Uninterruptible Power Supplies - Inverters - Generators

United Kingdom



DB12-200S

Duration Series VRLA Battery

12V BATTERY

200AH CAPACITY

AGM TECHNOLOGY

12 YEAR DESIGN LIFE

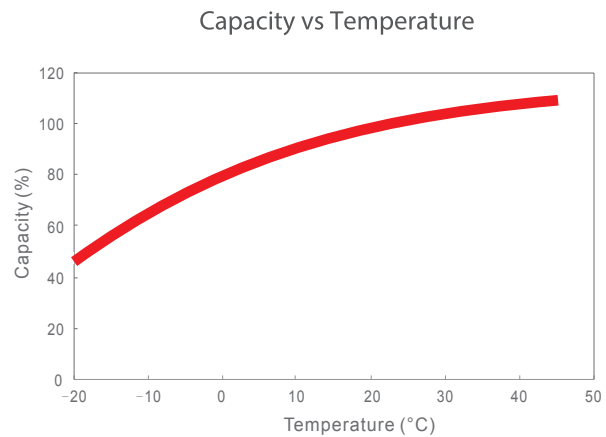
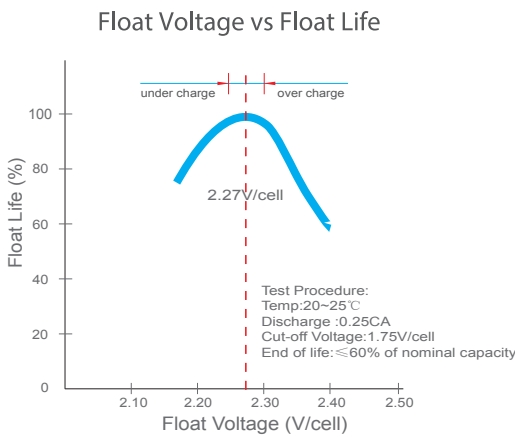
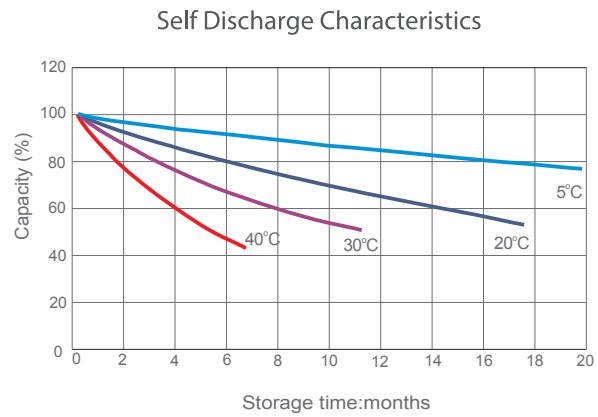
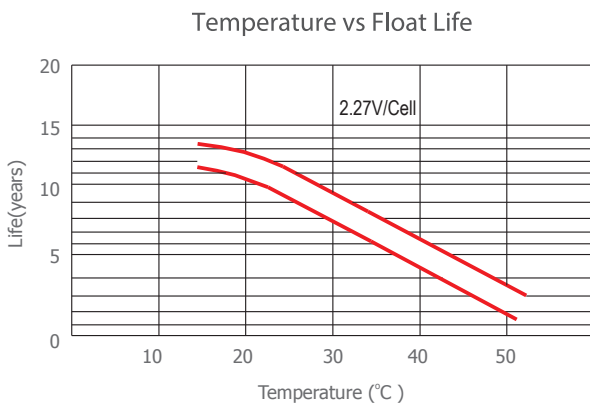
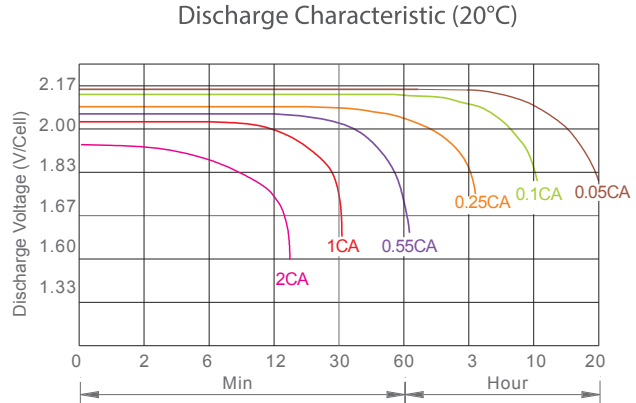
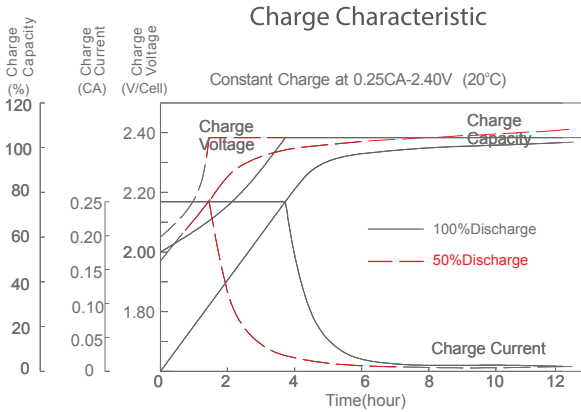
MAINTENANCE FREE

Technical Specifications

Nominal Voltage (V)	12 (6 cells per unit)
Designed Floating Life (20°C)	12 Years
Nominal Capacity (25°C)	200Ah at 20HR-rate (to 1.75Vpc)
Dimensions (WxDxH)	532 x 207 x 215 mm
Approx. Weight	54.5kg
Terminal Type	Female Copper Insert M8 (torque: 10~12Nm)
Internal Resistance	Approx. 0.004 Ohm (fully charged at 20°C)
Max. Charge Current	50A
Max. Discharge Current (5S)	1000A
Short Circuit Current	3100A
Self Discharge	Approx. 3% per month at 20°C
Ambient Temperature	Discharge: -20~60°C Charge: -20~60°C Storage: -20~45°C
Float Charge Voltage (20~25°C)	13.6~13.8V (-3mV / cell / °C)
Equalize and Cycle Use Charge Voltage (20~25°C)	14.4~14.8V (-5mV / cell / °C)
Container Material	ABS (UL94-V0 Optional)
Standards	IEC 60896-21/22, UL 1989, JIS C8704, GB/T19639

Constant Current Discharge Characteristics: Amps (25°C)												
F.V/Time	5 m in	10 m in	15 m in	30 m in	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	509	388	330	214	130	76.1	55.0	43.8	36.5	24.9	20.2	10.7
1.67V	454	357	311	205	126	74.8	54.3	43.2	36.0	24.6	19.9	10.4
1.70V	405	325	294	197	123	73.8	53.7	42.8	35.7	24.3	19.6	10.2
1.75V	352	301	273	190	121	72.6	52.8	42.3	35.3	24.0	19.4	10.0
1.80V	311	274	255	182	117	71.0	51.8	41.3	34.4	23.4	19.2	9.81
1.85V	267	247	232	171	112	68.2	50.1	40.2	33.6	22.9	18.5	9.58

Constant Power Discharge Characteristics: W /cell (25°C)												
F.V/Time	5 m in	10 m in	15 m in	30 m in	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	896	696	602	396	242	129	93.4	74.8	62.5	43.1	35.8	19.4
1.67V	809	648	600	380	237	127	92.9	74.2	62.2	42.8	35.5	19.0
1.70V	731	595	545	369	233	127	92.4	74.0	62.1	42.6	35.3	18.8
1.75V	644	560	512	359	230	125	91.8	73.8	61.8	42.4	35.1	18.5
1.80V	577	514	482	346	225	124	90.8	72.8	60.8	41.7	34.7	18.3
1.85V	502	469	443	330	217	120	88.6	71.3	59.8	41.0	34.0	18.0



Discharge Current I (A)	$I \leq 0.08C$	$0.08C \leq I < 0.2C$	$0.2C \leq I < 0.6C$	$0.6C \leq I < 1.0C$	$I \geq 1.0C$
Final of Voltage	$\geq 1.85V_{pc}$	$\geq 1.80V_{pc}$	$\geq 1.75V_{pc}$	$\geq 1.7V_{pc}$	$\geq 1.6V_{pc}$

Battery Dimensions

