

GENERAL PURPOSE SERIES BATTERY SLA

EJARVIS General Purpose (GP) Series VRLA batteries are designed with AGM (Absorbent Glass Mat) technology, High performance plates and electrolyte to give extra power output for common power backup system. GP Series Batteries are the general purpose batteries with 10 years floating design life at 25°C. Meet with IEC,BS,JIS and Eurobat standard,UL(MH62092),CE approved



APPLICATION

- * Marine equipment
- * Medical equipment
- * PABx equipment
- * Telco systems
- * Fire & Security System
- * Electric toy car, wheelchairs, etc.
- * EPS
- * UPS
- * Power tools
- * Alarm system

GENERAL FEATURES

- * Heavy Duty Grid
- * Mechanized assembly
- * Non-spillable construction
- * High Reliability and Stability
- * Sealed and Maintenance-free
- * Long Life & low self-discharge design

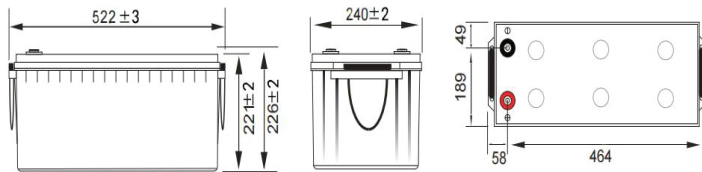
CONSTRUCTION

- * Negative - Lead
- * Positive - Lead dioxide
- * Terminal - Copper
- * Safety Valve - EPDR
- * Electrolyte - Sulfuric acid
- * Separator - Fiber glass
- * Container - ABS(UL94-HB) / Flame Retardant ABS(UL94-V0)

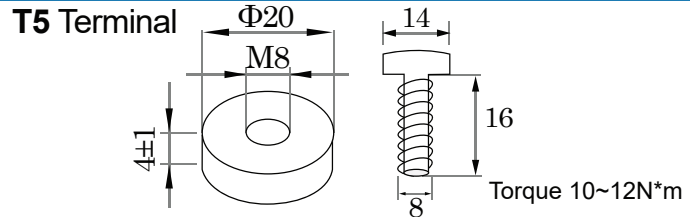
SPECIFICATION

Battery Model	Nominal Voltage		12V (6 cells per unit)	
	Rated capacity (20 Hour rate)		200Ah	
Dimension	Length	Width	Height	Total Height
	522mm (20.55 inches)	240mm (9.45 inches)	221mm (8.70 inches)	226mm (8.89inches)
Approx Weight	55.2kg (121.70 lbs) ± 3%			
Internal Resistance	Full charged at 25°C (77°F) : Approx 2.90mΩ			
Max Charge Current	60A			
Max Discharge Current	2000A (5 Second)			
Operating Temperature	Nominal Operating Temperature	Discharge	Charge	Storage
	25°C (77°F)	-15°C ~ 50°C (5°F ~ 122 °F)	-15°C ~ 40°C (5°F ~ 104 °F)	-15°C ~ 40°C (5°F ~ 104 °F)
Capacity @ 25°C (77°F)	10 hour rate (20.2A,10.5V) - 202Ah	5 hour rate (36.1A,10.5V) - 180.5Ah	3 hour rate (54.2A,10.5V) - 162.6Ah	1 hour rate (128A,9.6V) - 128Ah
Capacity affected by temp. (20Hr)	40°C (104°F) - 102%	25°C (77°F) - 100%	0°C (32°F) - 85%	-15°C (5°F) - 65%
Charge Method @ 25°C (77°F)	Float Charging Voltage; 13.5 ~ 13.8 VDC/Unit		Equalization Charging Voltage; 14.4 ~ 15.0 VDC/Unit	

OUTER DIMENSION



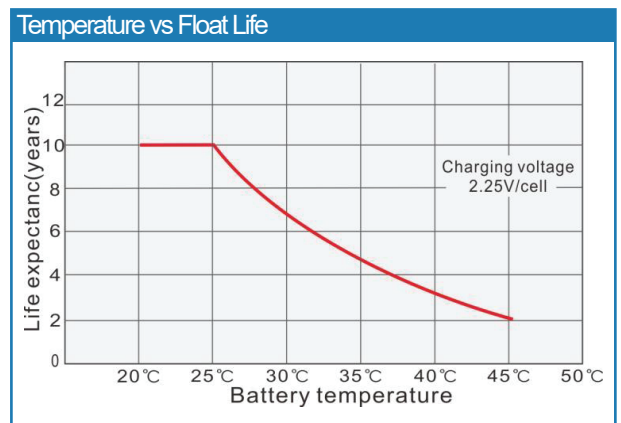
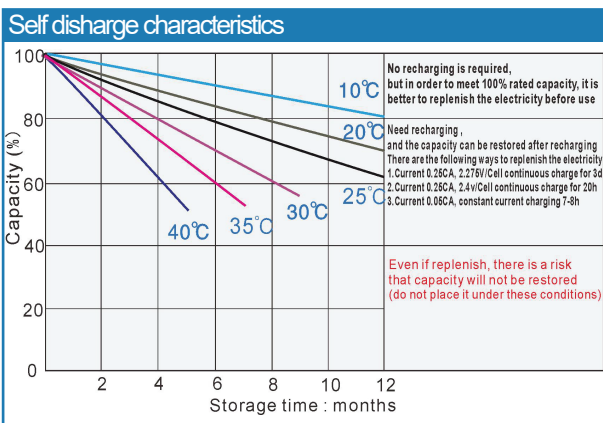
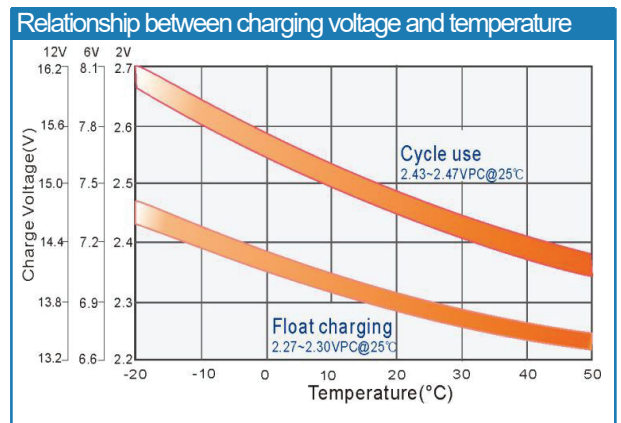
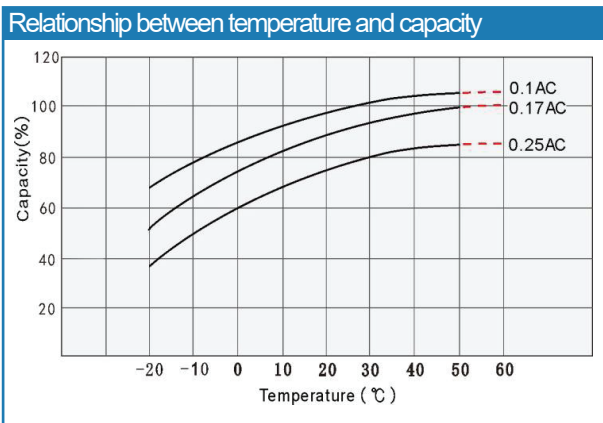
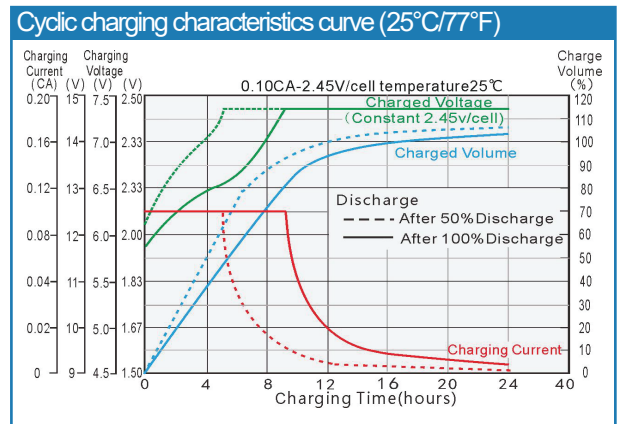
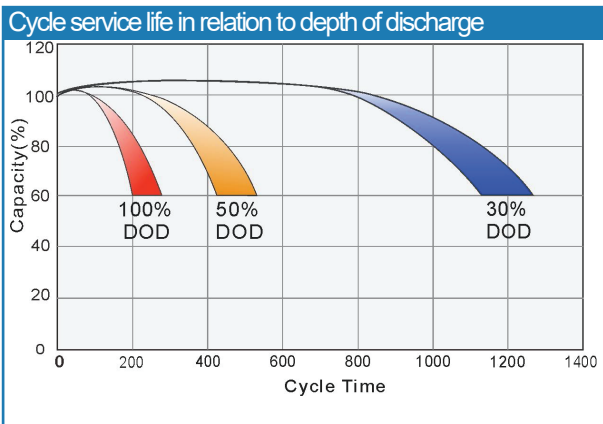
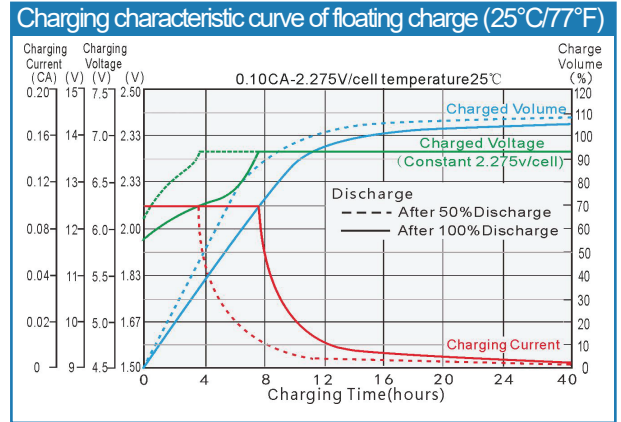
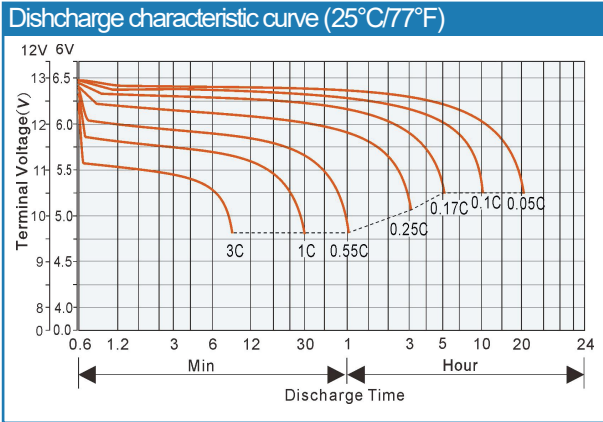
TERMINAL TYPE



CONSTANT CURRENT [AMP] & CONSTANT POWER [WATT] DISCHARGE TABLE AT 25°C [77°F]

F.V/Time		5min	10min	15min	20min	30min	1h	2h	3h	5h	8h	10h	20h
1.85V/cell	A	367	303	260	226	183.0	113.0	68.9	51.5	34.8	23.9	19.7	10.4
	W	690	573	495	432	350.0	221.0	135.5	101.6	68.9	47.5	39.4	21.1
1.80V/cell	A	410	340	286	245	193.0	116.4	70.7	52.5	35.5	24.2	20.0	10.5
	W	760	628	530	461	364.0	226.3	138.6	103.1	70.0	47.9	39.9	21.2
1.75V/cell	A	455	372	310	261	201.0	119.5	72.5	53.4	36.1	24.5	20.2	10.6
	W	833	680	567	486	378.0	231.0	141.4	104.6	70.8	48.4	40.3	21.3
1.70V/cell	A	491	398	329	274	207.5	122.5	74.0	54.2	36.7	24.8	20.3	10.7
	W	890	722	595	504	391.0	235.5	143.6	106.0	71.8	48.7	40.5	21.4
1.67V/cell	A	515	416	340	282	212.5	124.7	75.2	54.9	37.0	25.0	20.4	10.8
	W	922	745	615	518	399.0	238.5	145.5	106.9	72.2	49.0	40.6	21.5
1.60V/cell	A	555	446	363	293	220.0	128.0	77.0	56.0	37.7	25.3	20.6	10.9
	W	980	790	652	538	412.0	244.0	148.7	108.6	73.5	49.5	40.8	21.6

NOTE: The above datas are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.



STORAGE AND TRANSPORTATION

- The storage battery must be fully charged.
- The battery should be stored in a low temperature, dry, clean, and well-ventilated environment.
- Avoid heat sources and direct sunlight.
- During the transportation of the battery, it is strictly forbidden to turn it upside down, or to carry it violently (causing the battery shell to break).
- Prolonged exposure to sunlight is strictly prohibited.
- It is strictly forbidden to get the packing box wet by rain.

MAINTENANCE

- If the battery is stored for more than 3 to 6 months, it needs to be recharged once. For the battery that loses electricity due to various reasons during use, it should be charged in time to prevent the performance degradation caused by the sulfation of the battery.
- Check the vent on the top cover of the battery frequently to prevent it from being blocked by dust, ice water, etc., to prevent the shell from deforming and exploding.
- When the battery or the vehicle is not used for a long time, the battery should be fully charged before storage, otherwise the service life of the battery will be affected.

PRECAUTIONS

- This battery is a lead-acid battery, which is highly corrosive. Keep away from children. Users should wear protective eyes and rubber gloves when handling the battery. Once the eyes, skin and clothes are splashed with sulfuric acid, rinse immediately with plenty of water. Seek medical attention immediately.
- The battery should be kept away from heat sources and open flames, and should be ventilated during charging and use, and be careful not to explode and injure people.
- When installing the battery, do not use metal tools to connect the positive and negative terminals, otherwise it will cause a short circuit, causing fire or explosion.
- When the battery is charged, please turn off the charging power supply first, and then remove the connection line between the charger and the battery, to prevent explosions and injuries.

FURTHER INFORMATION

Please refer to our website www.jarviscell.com for a complete range of useful downloads, such as product catalogs, material safety data sheets (MSDS), ISO certificatio, etc.