

# General Purpose VRLA Battery Reddot DD12260

12V  
Voltage

26Ah  
Capacity

AGM  
Technologie

General  
Purpose

FC series General Purpose VRLA batteries are designed with AGM(Absorbent Glass Mat) technology. FC series offers 5 years( $\leq$  20Ah) and 10 years( $\geq$  20Ah) full maintenance free design life. With a compact design and good reliability, this series is highly suited for security and alarm systems, UPS systems, emergency light systems and other small backup applications.



### COMPLIED STANDARDS

IEC 60896-21/22    JIS C8704  
YD/T799            BS6290 part4  
GB/T 19638        UL 1989

### GENERAL FEATURES

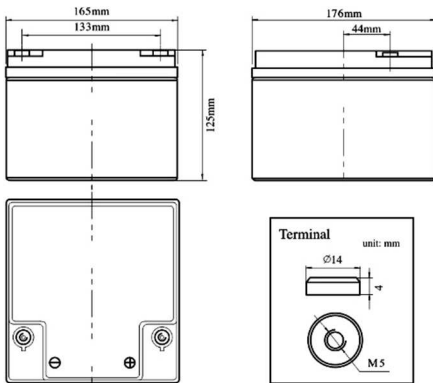
- Can be used at vertical or horizontal orientation
- High Reliability and Good Quality
- High gas recombination efficiency
- High Power Density
- Maintenance-Free Operation

### APPLICATIONS

- UPS & EPS
- Emergency lighting Systems
- Medical Equipment
- Cable TV Systems
- Alarm Systems
- Electric Test Equipment
- Security Systems

### DIMENSIONS & WEIGHT

Length(mm)	166±1
Width(mm)	175±1
Height(mm)	126±1
Total Height(mm)	126±1
Weight(kg)	8.3±2%



### TECHNICAL SPECIFICATIONS

Nominal Voltage		12V(6 cells per unit)
Design Floating Life @25℃		10 Years
Nominal Capacity @25℃ (10 hour rate@2.6A,10.8V)		26Ah
Capacity @25℃	20hour rate (1.38A,10.8V)	27.6Ah
	5 hour rate (4.6A,10.5V)	23.0Ah
	1 hour rate (16.6A,9.6V)	16.6Ah
Internal Resistance	Full Charged Battery@25℃	≤9mΩ
Ambient Temperature	Discharge	-15℃~45℃
	Charge	-15℃~45℃
	Storage	-15℃~45℃
Max.Discharge Current@25℃		156A(5s)
Capacity affected by Temperature (10 hour )	40℃	105%
	25℃	100%
	0℃	85%
	-15℃	65%
Self-Discharge@25℃ per Month		3%
Charge (Constant Voltage) @25℃	Standby Use	Initial Charging Current Less than 7.8A Voltage 13.6-13.8V
	Cycle Use	Initial Charging Current Less than 7.8A Voltage 14.4-14.9V

### BATTERY DISCHARGE TABLE

#### Discharge Constant Current per Cell (Amperes at 25℃)

F.V/Time	15min	30min	45min	1h	2h	3h	5h	6h	8h	10h	20h
1.60V	46.9	27.6	20.9	16.6	9.8	7.2	4.8	4.2	3.3	2.7	1.44
1.65V	44.3	26.2	20.1	16.1	9.4	6.9	4.8	4.1	3.3	2.7	1.43
1.70V	41.6	25.4	19.4	15.5	9.2	6.8	4.7	4.1	3.2	2.7	1.41
1.75V	39.0	24.3	18.5	14.8	8.9	6.6	4.6	4.0	3.2	2.6	1.40
1.80V	36.6	23.4	17.9	14.3	8.6	6.4	4.5	3.9	3.1	2.6	1.38

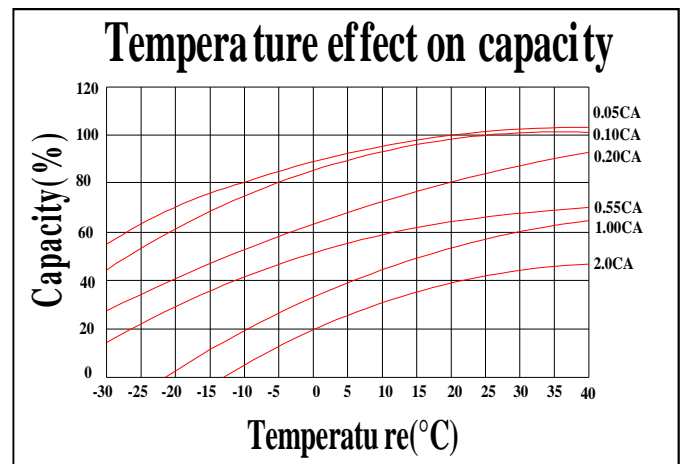
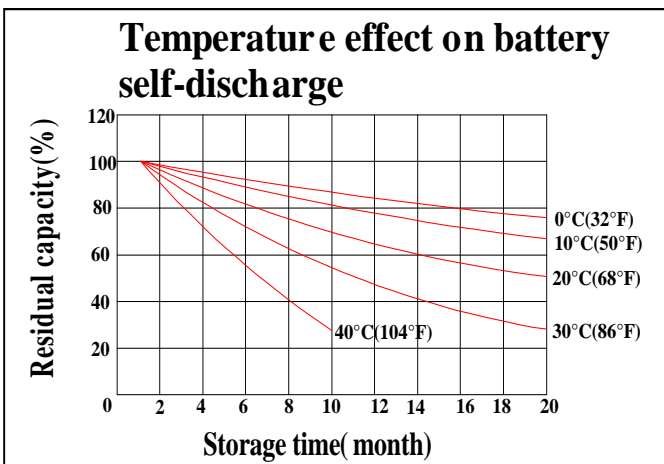
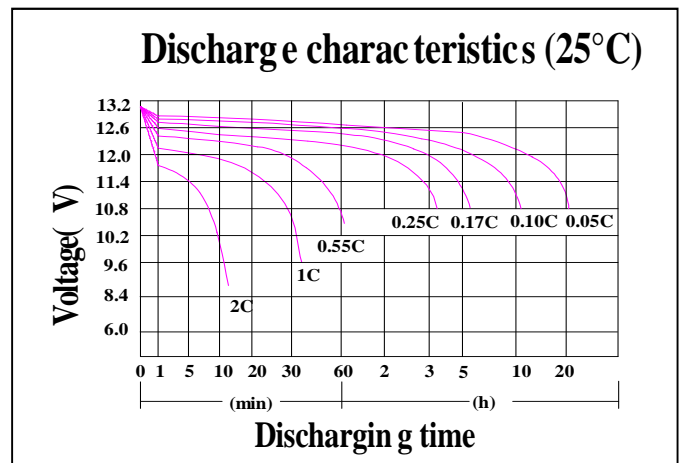
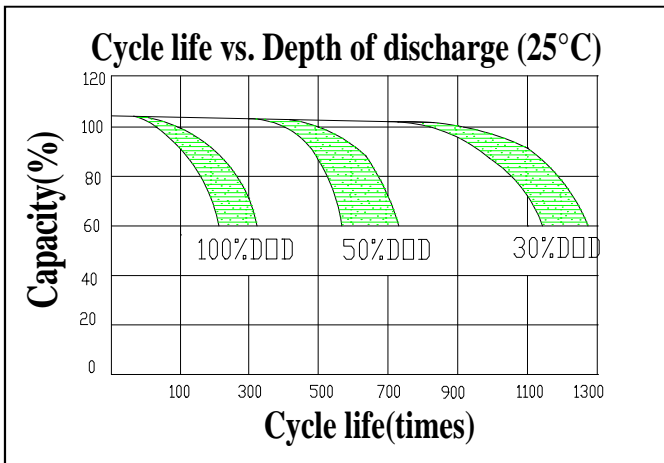
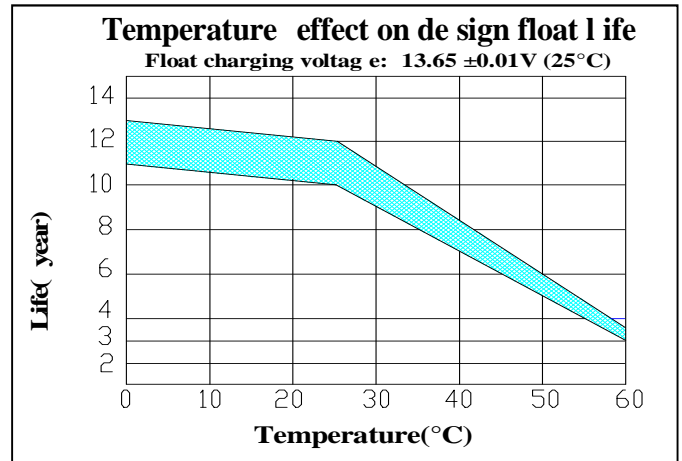
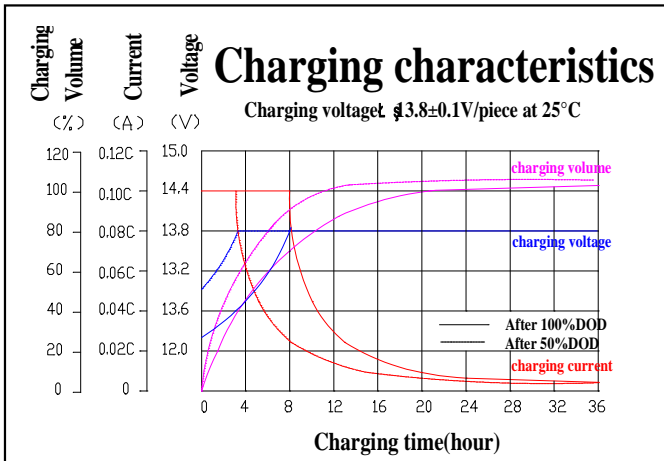
#### Discharge Constant Power per Cell (Watts at 25℃)

F.V/Time	15min	30min	45min	1h	2h	3h	5h	6h	8h	10h	20h
1.60V	89.7	54.9	39.8	31.8	18.5	13.7	9.3	8.1	6.4	5.3	2.8
1.65V	85.9	52.5	38.4	31.0	18.0	13.3	9.2	8.0	6.4	5.3	2.8
1.70V	80.0	50.3	37.2	29.9	17.6	13.0	9.0	7.9	6.3	5.2	2.7
1.75V	75.1	47.9	35.7	28.8	17.2	12.8	8.9	7.8	6.2	5.2	2.7
1.80V	70.5	46.0	34.5	27.9	16.6	12.4	8.7	7.6	6.2	5.1	2.7

Note The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice.

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## PERFORMANCE CHARACTERISTICS



## BATTERY CONSTRUCTION

Component	Positive plate	Negative plate	Container & Cover	Safety valve	Terminal	Separator	Electrolyte	Pillar seal
Features	Standard Pb-Ca-Sn grid with special paste	Balanced Pb-Ca grid for improved recombination efficiency	ABS (UL94-V0 optional)	Flame Si-Rubber and aging resister	Female Copper Insert M6 (torque: 3~4N.m)	Advanced AGM separator for high pressure cell design	Dilute high purity sulphuric acid	Two layers epoxy resin seal