

## DD 12120 - 12V 12Ah - C20

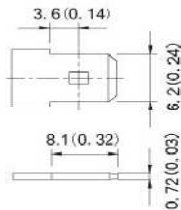


### Features

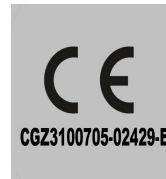
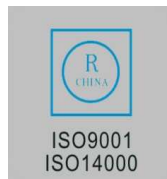
- Special grid alloy and plate design
- Long service life, up to 5 years
- High charging performance
- High gas recombination technology
- Low-self discharge characteristic
- Wide operating temperature range

### Application

- Measuring instrument
- Medical equipments
- Telephone sets
- Lighting equipment
- Security & alarm systems
- UPS power supply
- Power station and telecom station



F2 Terminal



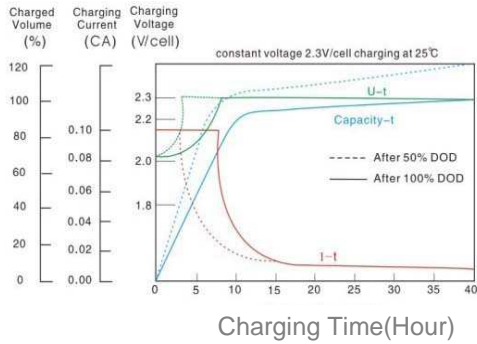
### Specification

Cell per unit	6
Norminal Voltage	12V
Norminal Capacity	12Ah
Weight	Approx.3,70Kg (8,159lbs)
Internal Resistance	Approx. 22,91 mΩ
Norminal Operating Temperature Range	25°C
Recommended Maximum Charging Current Limit	3,60A max
Float Charging Voltage	13,6 to 13,8VDC/unit Average at 25°C (77°F)
Equalization and Cycle Service	14,1 to 14,4VDC/unit Average at 25°C (77°F)
Self Discharge	Reddot Batteries can be stored for more than 6 months at (25°C/77°F).Please charge batteries before using. For higher temperatures the time interval will be shorter.
Terminal	F2

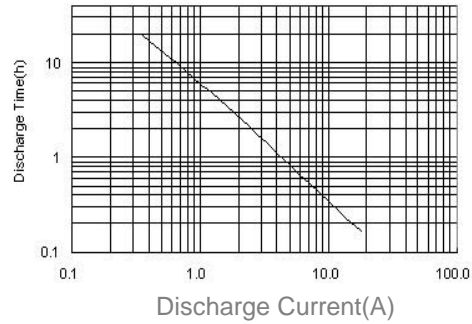
## Characteristics

Rated Capacity	20 hour rate(0,60A)	12,0AH
	10 hour rate(1,155A)	11,55AH
	5 hour rate(2,16A)	10,80AH
	1 hour rate(7,23A)	7,23AH

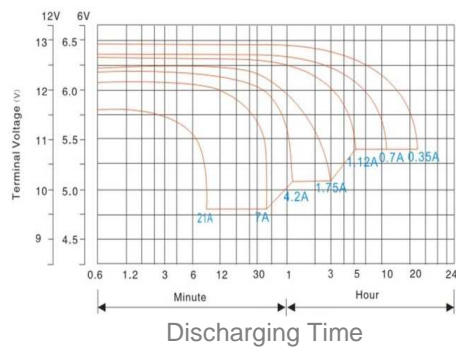
### Charging Characteristics(25°C/77°F)



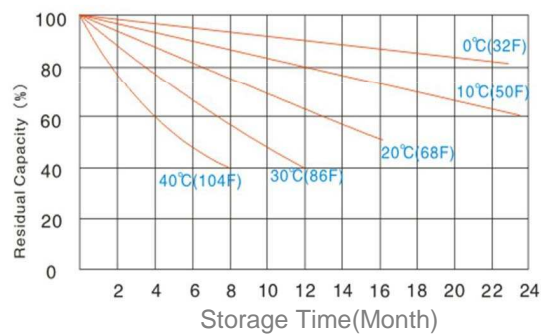
### The Relation between Discharging Current and Discharging time(25°C/77°F)



### Discharging Characteristic(25°C/77°F)



### Self-Discharging Characteristic(25°C/77°F)



### Constant Current Discharge Characteristics (Amperes at 25°C)

Cut-off Voltage/cell	5min	10min	15min	30min	1Hr	2Hr	4Hr	6Hr	10Hr	20Hr
1,70	42,69	28,17	22,69	14,75	7,93	4,25	2,682	1,853	1,181	0,611
1,75	39,16	26,58	21,40	14,19	7,79	4,18	2,635	1,821	1,161	0,600
1,80	38,44	26,09	21,01	13,93	7,64	4,10	2,587	1,787	1,139	0,589

### Constant Power Discharge Characteristics (Watts at 25°C)

Cut-off Voltage/cell	5min	10min	15min	30min	1Hr	2Hr	4Hr	6Hr	10Hr	20Hr
1,70	83,24	54,94	44,24	28,77	15,45	8,29	5,23	3,61	2,30	1,19
1,75	76,36	51,83	41,74	27,67	15,19	8,15	5,14	3,55	2,26	1,17
1,80	74,96	50,88	40,97	20,16	14,91	8,00	5,04	3,48	2,22	1,15

All mentioned values are average values