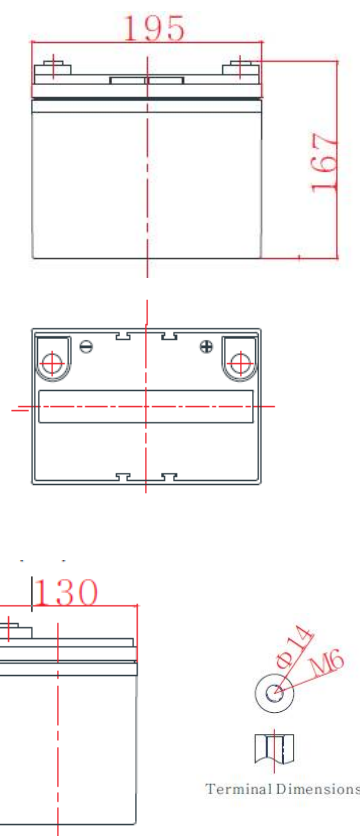


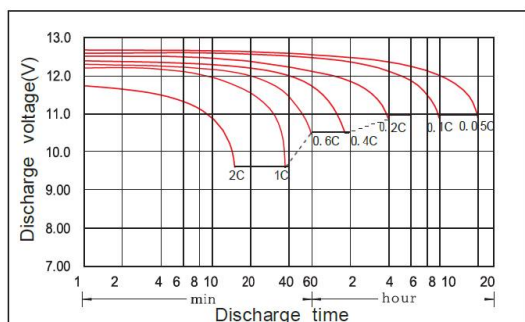
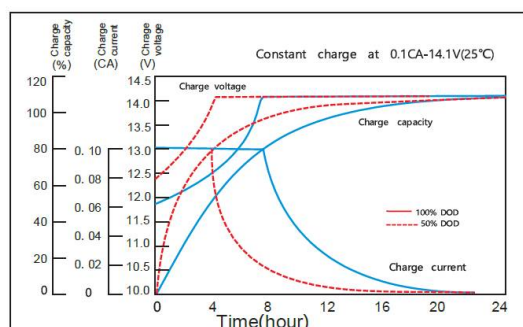
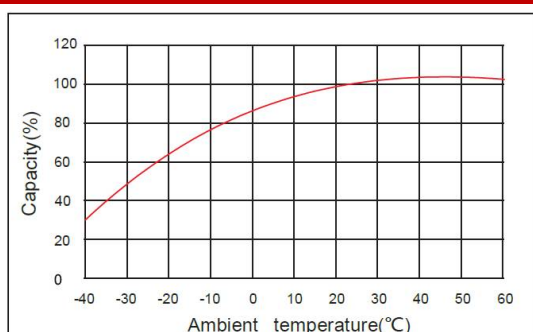
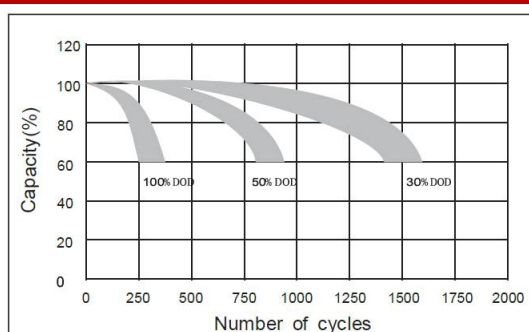
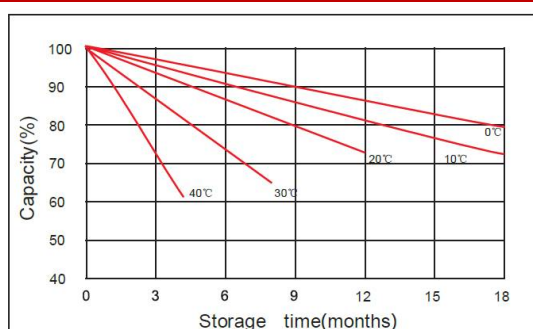
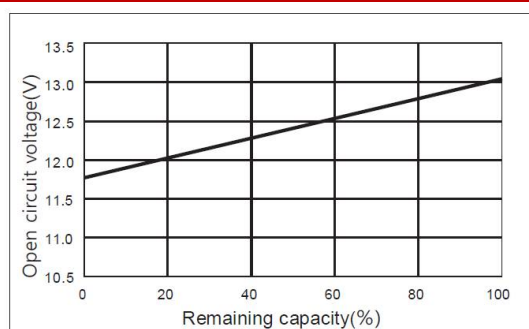


DATASHEET DCEV 35-12

12V 35AH
GEL SEALED VRLA BATTERY
LONG LIFE 12 YEARS OF EXPECTED LIFETIME
(EUROBAT)


SPECIFICATIONS

Nominal Voltage	12V	
Nominal Capacity	35Ah	
Terminal	M6	
Approx. Weight	Approx 11,5 kg (25,4 lbs)	
Container Material	ABS	
Dimensions	Length	195 ± 2 mm (7,67 inches)
	Width	130 ± 2 mm (5,11 inches)
	Container Height	167 ± 2 mm (6,57 inches)
	Total Height (with terminal)	167 ± 2 mm (6,57 inches)
Rated Capacity	35 Ah	10 hr (3,50A to 10,8V, 25°C)
	27,6 Ah	3 hr (9,21A to 10,8V, 25°C)
	26,2 Ah	1 hr (22,5A to 10,5V, 25°C)
Max. Discharge Current	420,0 A (5 s)	
Internal Resistance	Full charged at 25°C: 12,8 mΩ	
Operating Temperature	Discharge : -40 ÷ 60°C (-40 ÷ 140°F)	
	Charge : -20 ÷ 50°C (-4 ÷ 122°F)	
	Storage : -20 ÷ 50°C (-4 ÷ 122°F)	
Charge method (25°C)	Charge current: Max.8,8A ; Recom.3,5A	
	Float Charge: 13.5-13.8V, recom.13.5V(-18mV/ °C)	
	Equalize charge: 13.8-14.1V, recom.14.1V(-24mV/ °C)	
	Cycle charge: 14.4-15.0V, recom.14.4V(-30mV/ °C)	
Self discharge	3% of capacity declined per month at 25°C	

DISCHARGE CHARACTERISTIC

CHARGING CHARACTERISTIC

THE EFFECT OF TEMPERATURE ON CAPACITY

THE EFFECT OF DISCHARGE DEPTH ON CYCLE LIFE

CURVES OF SELF-DISCHARGE

CURVES OF OPEN CIRCUIT VOLTAGE VS. CAPACITY

Constant Current Discharge Characteristics
Unit: A (25°C, 77°F)

FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	64.3	39.1	23.1	13.2	9.61	6.45	4.24	3.62	1.91
1.65V	62.3	38.4	23.0	13.2	9.51	6.39	4.20	3.59	1.90
1.70V	61.0	37.8	22.8	13.1	9.38	6.32	4.17	3.55	1.89
1.75V	59.0	37.4	22.5	12.9	9.28	6.25	4.13	3.52	1.88
1.80V	55.0	35.8	21.9	12.6	9.21	6.08	4.10	3.50	1.87
1.85V	49.0	32.7	20.3	12.0	8.67	5.78	3.93	3.38	1.84

Constant Power Discharge Characteristics
Unit: W/cell (25°C, 77°F)

FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	113	70.7	43.7	25.0	18.3	12.2	8.23	6.97	3.77
1.65V	111	70.1	43.3	25.0	18.1	12.2	8.17	6.90	3.75
1.70V	110	70.1	43.0	24.9	17.9	12.1	8.13	6.83	3.74
1.75V	109	69.7	42.7	24.7	17.8	12.0	8.07	6.76	3.72
1.80V	103	68.1	42.3	24.7	17.8	11.9	8.00	6.69	3.70
1.85V	92.3	62.4	39.3	23.6	16.9	11.3	7.73	6.58	3.67