

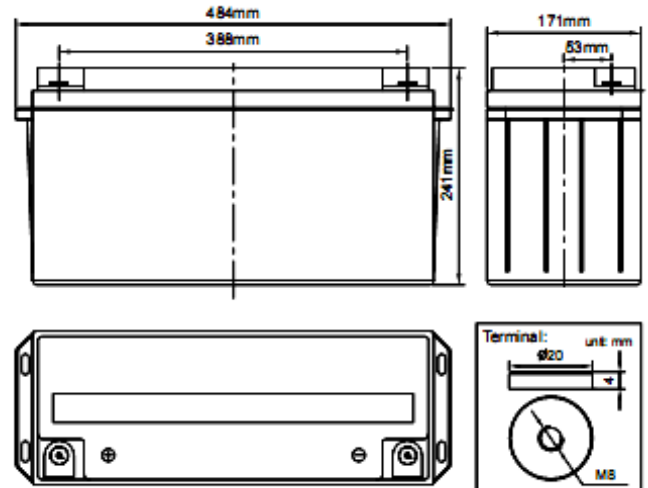
CHARACTERISTICS

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		160Ah
Capacity 25°C	10 hour rate (9.0A)	135Ah
	5 hour rate (15.9A)	119.5Ah
	1 hour rate (55.4A)	83.2Ah
Internal Resistance	Full Charged Battery 25°C	≤4.0mΩ
Capacity affected by Temperature (10 hour)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-Discharge 25°C Capacity	after 3 month storage	90%
	after 6 month storage	80%
	after 12 month storage	62%
Charge (Constant Voltage) 25°C	Float	Initial Charging Current Less than 30A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 30A Voltage 14.4-14.9V



PACKAGING

Battery Dimensions	Length	484mm
	Width	171mm
	Height	241mm
	Total Height	241mm
Box Dimensions	Length	499mm
	Width	185mm
	Height	299mm
Quantity Per Box	1 PC per box	
Net weight Per Cell	45.5 kg±3%	
Net weight Per Box	45.5kg	
Gross Weight	46kg	



Discharge Constant Current per Cell (Amperes at 25°C)

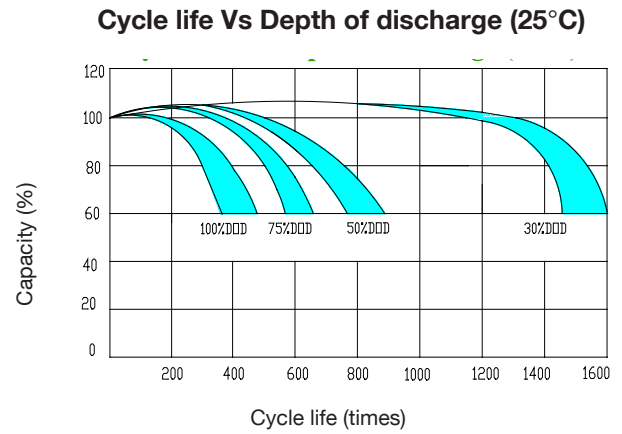
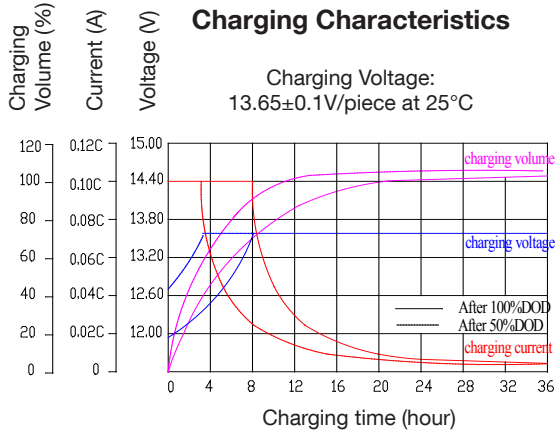
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	356.4	227.2	193.1	123.3	90.6	83.2	52.9	37.1	25.2	16.6	14.9	8.25
1.65V	349.9	223.1	189.5	121.0	88.9	81.6	51.9	36.5	24.8	16.3	14.6	8.1
1.70V	343.4	218.9	186.0	118.8	87.3	80.1	50.9	35.8	24.3	16.0	14.3	7.95
1.75V	337.0	214.8	182.5	116.5	85.6	78.6	50.0	35.1	23.9	15.7	14.0	7.8
1.80V	324.0	206.6	175.5	112.1	82.4	75.6	48.1	33.8	23.0	15.1	13.5	7.50

Discharge Constant Current per Cell (Watts at 25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	686.1	437.4	371.6	237.3	174.4	160.1	101.8	71.5	48.6	32.0	28.6	15.9
1.65V	673.6	429.4	364.9	233.0	171.2	157.2	99.9	70.2	47.7	31.4	28.1	15.6
1.70V	661.1	421.5	358.1	228.6	168.0	154.3	98.1	68.9	46.8	30.9	27.5	15.3
1.75V	648.6	413.5	351.4	224.3	164.9	151.4	96.2	67.6	45.9	30.3	27.0	15.0
1.80V	623.7	397.6	337.8	215.7	158.5	145.5	92.5	65.0	44.2	29.1	26.0	14.4

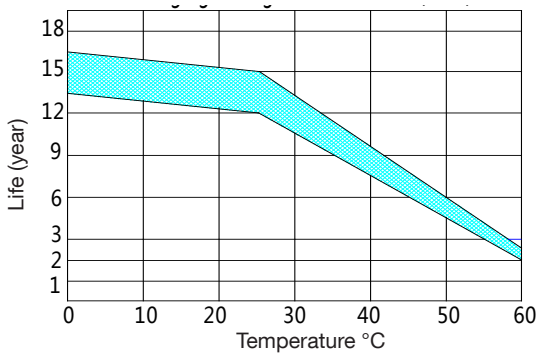
Note: The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice. Contact R&J for the latest information.

PERFORMANCE CHARACTERISTICS

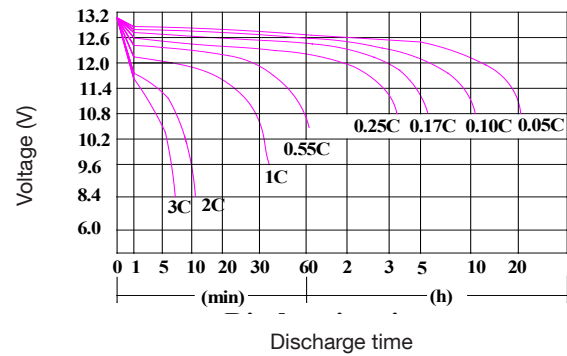


Temperature effect on designed float life

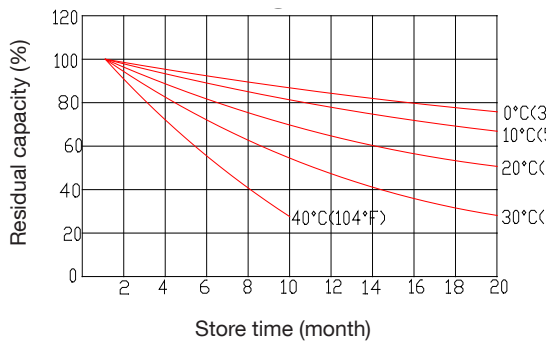
Float charging Voltage: 13.65±0.01V/piece at 25°C



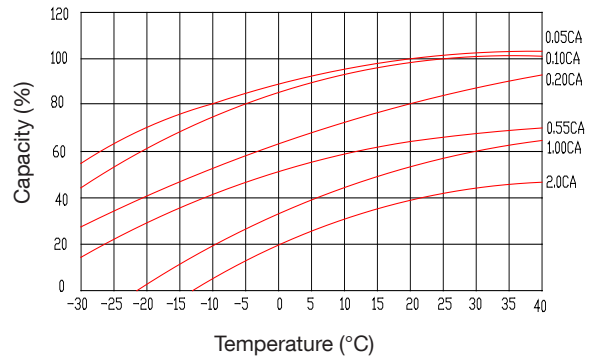
Discharge characteristics (25°C)



Temperature effect on battery self-discharge



Temperature effect on capacity



BATTERY CONSTRUCTION

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Si-Rubber	Copper	Fiberglass	Sulfuric acid