

HTB-F Series High Temperature Batteries

HTB-2000F

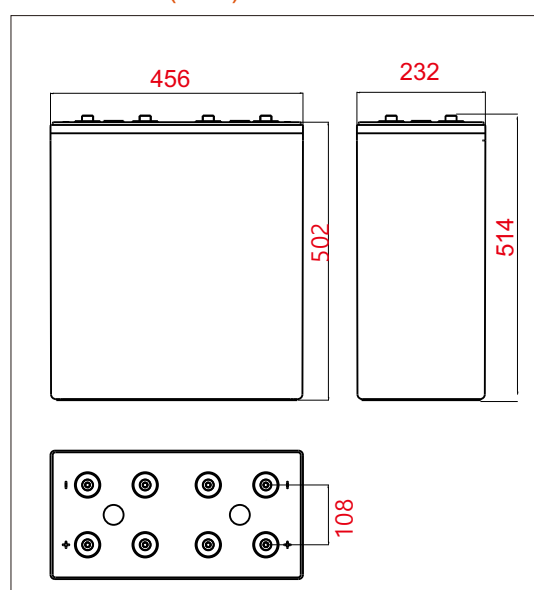
Narada's HTB-F series battery special designed for high temperature floating application with good cycling performance, idea for telecom service where the temperature is higher. With innovative structure design, high quality manufacturing and high quality high-temperature-resistant material, HTB-F batteries have 10 years design life at 35°C. HTB-F series also meet the standard <YD/T2657-2013 High temperature valve-regulated lead acid batteries for telecommunications>.



Specifications

Battery Model	HTB-2000F	
Nominal voltage	2V	
Capacity	2000Ah (10HR, 200A, 1.80V, 25°C)	
Approx.Weight	150.0kg	
Internal Resistance	Approx 0.12mΩ	
Max Charge Current Allowed	500A	
Charge Voltage (25°C)	Cycle use	Float use
	2.35V/cell	2.27V/cell
Temperature Ranges	Operation(Discharge): -40°C to 65°C (-40°F to 149°F)	
	Operation(Charge): -20°C to 65°C (-4°F to 149°F)	
	Storage: -20°C to 40°C (-4°F to 104°F)	
Terminal	M8 Female	
Terminal Hardware	15 ± 1.0 N.m	
Container Material	ABS (V0 optional)	

Dimensions (mm)



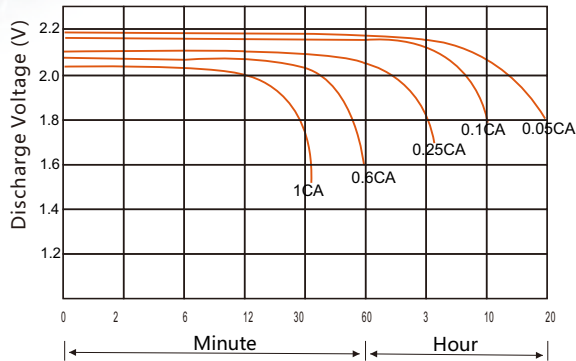
Constant Current Discharge Data Units: Amperes (25°C, 77°F)

End voltage per cell	15min	20min	30min	40min	50min	1h	2h	3h	5h	8h	10h
1.65V	2260	2060	1600	1450	1290	1120	680	515	355	235	215
1.70V	2100	1830	1540	1420	1250	1110	670	510	350	230	212
1.75V	1850	1650	1480	1300	1200	1105	660	505	345	227	208
1.80V	1600	1480	1310	1240	1120	1102	650	502	340	225	204

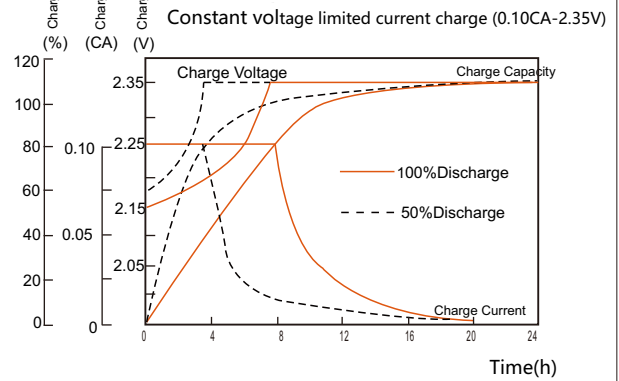
Constant Power Discharge Data Units: Watts per cell (25°C, 77°F)

End voltage per cell	15min	20min	30min	40min	50min	1h	2h	3h	5h	8h	10h
1.65V	3600	3300	2900	2500	2180	1880	1180	900	650	429	380
1.70V	3300	3050	2700	2450	2100	1850	1150	880	630	416	370
1.75V	3100	2900	2400	2300	2050	1700	1140	850	605	399	350
1.80V	2900	2500	2200	2250	2000	1600	1120	830	550	363	310

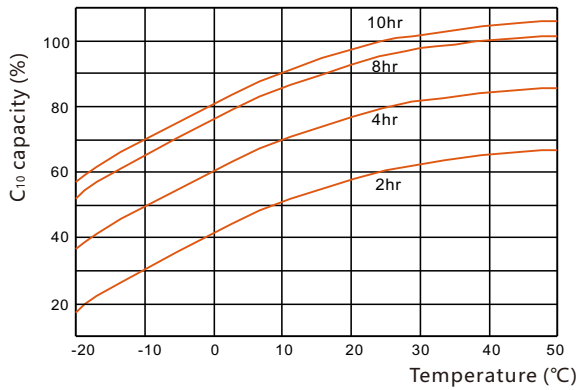
Discharge Voltage vs Time Curve (25°C)



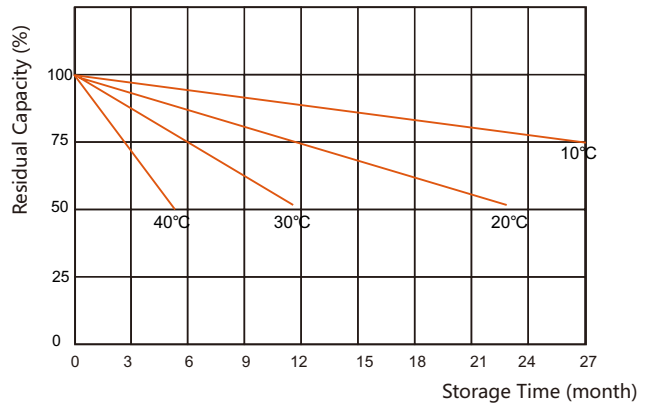
Charge Curve (25°C)



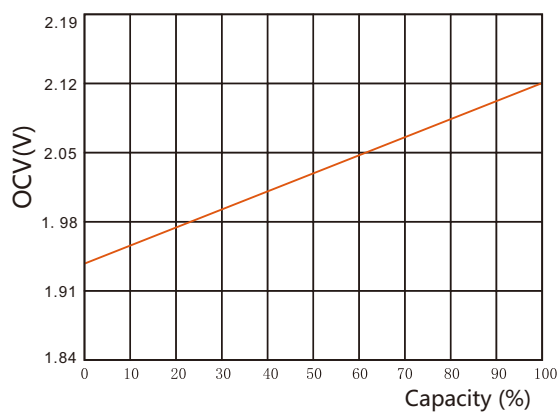
Capacity vs temperature curve



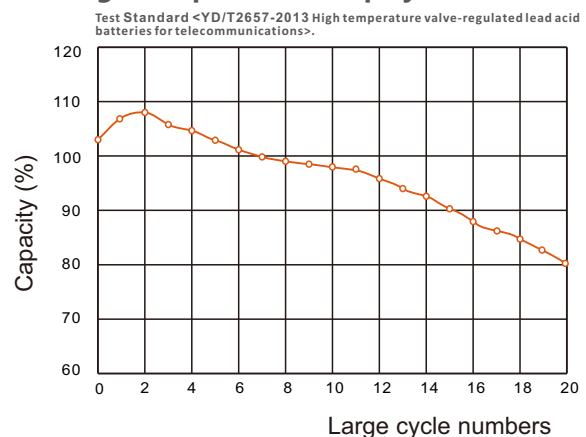
Residual Capacity vs Storage Time



Capacity vs OCV curve



High temperature deep cycle life @ 55°C



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