

# HTB-F Series High Temperature Batteries

## HTB-800F

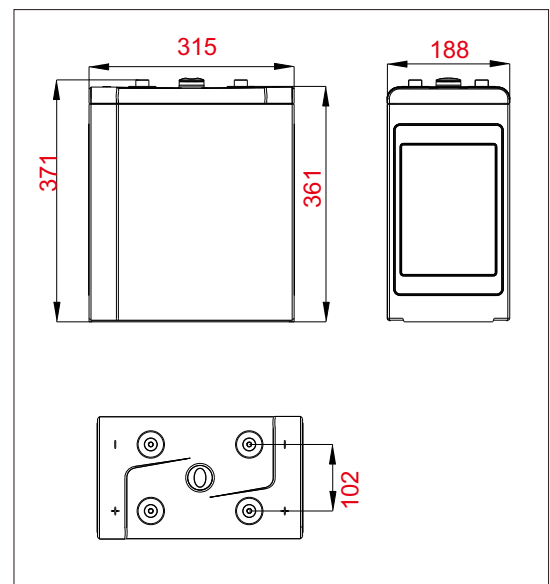
Narada's HTB-F series battery special designed for high temperature floating application with good cycling performance, idea for telecom service where the temperature is higher. With innovative structure design, high quality manufacturing and high quality high-temperature-resistant material, HTB-F batteries 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-800F	
Nominal voltage	2V	
Capacity	800Ah (10HR ,80A, 1.80V, 25°C)	
Approx.Weight	54.5kg	
Internal Resistance	Approx 0.21mΩ	
Max Charge Current Allowed	200A	
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	960	920	740	640	560	450	275	208	137	95.0	84.0
1.70V	920	860	700	600	540	447	270	205	135	92.0	83.0
1.75V	850	750	650	580	520	443	267	203	133	90.0	82.0
1.80V	750	680	620	540	450	441	265	201	130	88.0	81.0

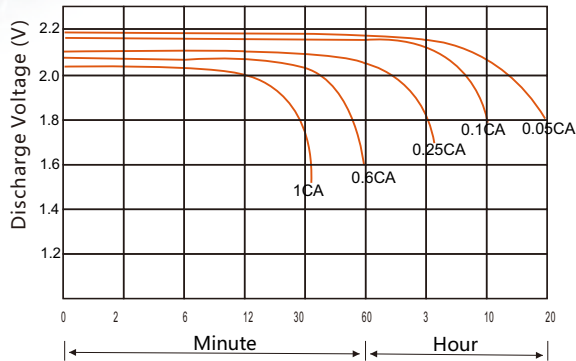
### Constant Power Discharge Data Units: Watts per cell (25°C, 77°F)

End voltage per cell	15min	20min	30min	40min	50min	1h	2h	3h	5h	8h	10h
1.65V	1810	1620	1400	1180	1040	880	580	450	325	230	205
1.70V	1680	1540	1280	1100	990	860	550	430	315	220	195
1.75V	1600	1400	1240	1050	960	840	540	420	310	212	185
1.80V	1380	1280	1100	990	860	810	510	410	280	189	160

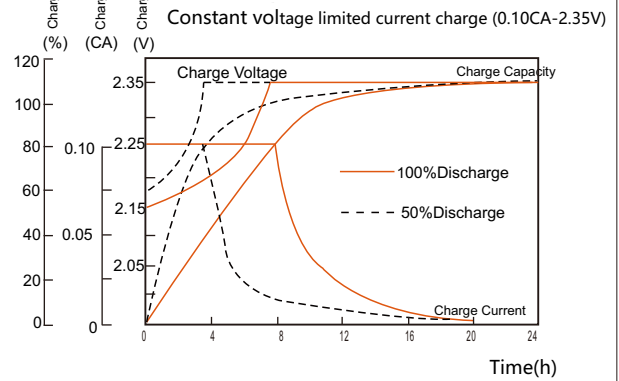
**HTB-F Series High Temperature Batteries**

**HTB-800F**

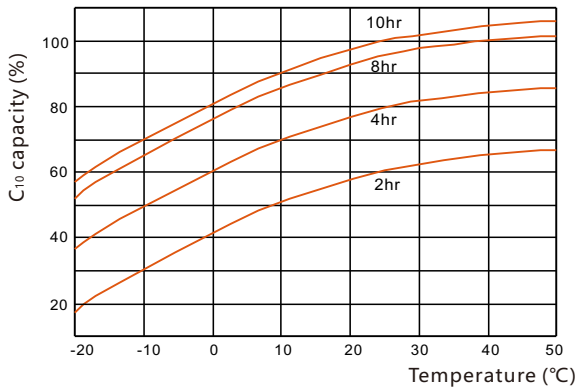
**Discharge Voltage vs Time Curve ( 25°C )**



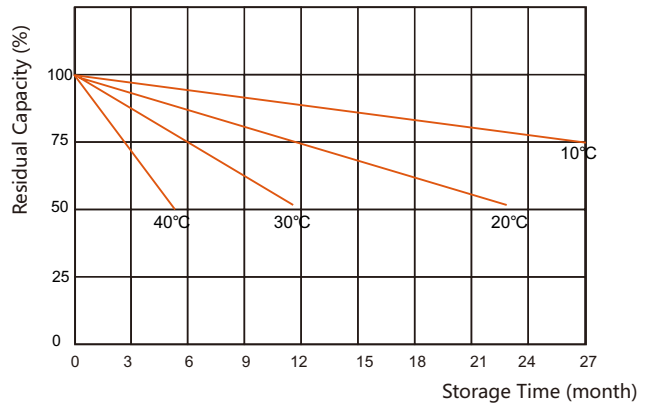
**Charge Curve (25°C)**



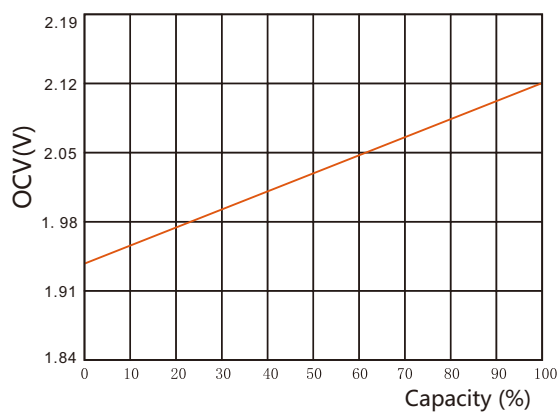
**Capacity vs temperature curve**



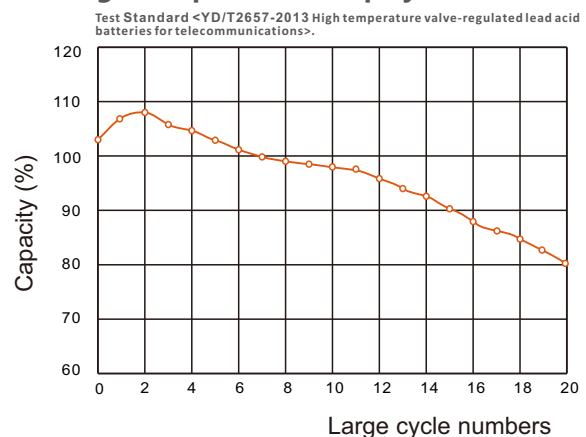
**Residual Capacity vs Storage Time**



**Capacity vs OCV curve**



**High temperature deep cycle life @ 55°C**



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