

ICS series

ICS-1500

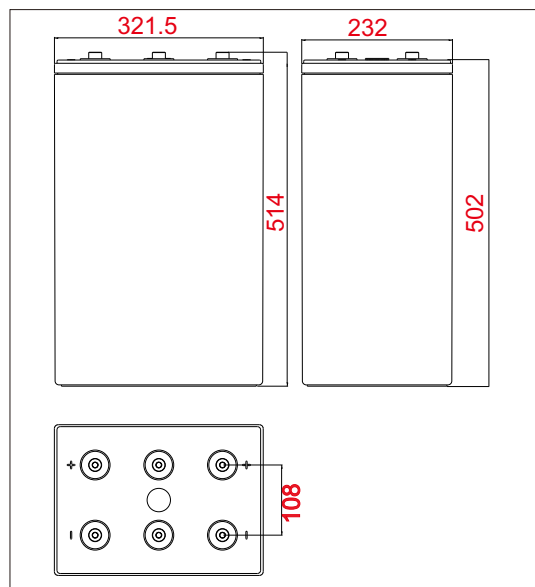
Narada's ICS series battery designed to provide highcycling and fast charge performance, idea for telecom service where power supply is unstable. With innovative structure design, high quality manufacturing and high quality material, ICS batteries are also capable of PSoC, hybrid, renewable energy storage application and other cycling/standby applications.



Specifications

Battery Model	ICS-1500	
Nominal voltage	2V	
Capacity	1500Ah (10HR, 150A, 1.80V, 25°C)	
Approx.Weight	106.0kg	
Internal Resistance	Approx 0.15mΩ	
Max Charge Current Allowed	375A	
Charge Voltage (25°C)	Cycle use	Float use
	2.35V/cell	2.25V/cell
Temperature Ranges	Operation(maximum): -40°C to 55°C (-40°F to 131°F)	
	Operation(recommended): 15°C to 25°C (59°F to 77°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	1695	1540	1190	1080	960	835	505	390	265	175	160
1.70V	1580	1370	1150	1060	930	830	500	385	260	173	157
1.75V	1380	1230	1100	970	890	828	495	380	257	170	155
1.80V	1290	1100	980	920	840	826	490	376	255	168	153

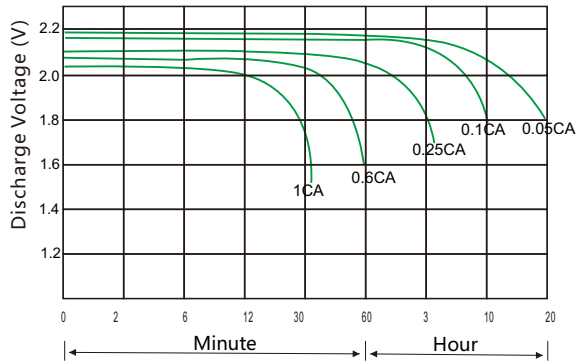
Constant Power Discharge Data Units: Watts per cell (25°C, 77°F)

End voltage per cell	15min	20min	30min	40min	50min	1h	2h	3h	5h	8h	10h
1.65V	2680	2440	2130	1870	1630	1410	870	670	470	315	295
1.70V	2470	2250	1990	1800	1560	1370	845	660	460	308	280
1.75V	2330	2150	1780	1700	1530	1250	835	630	440	295	270
1.80V	2180	1860	1640	1660	1480	1180	830	620	410	275	240

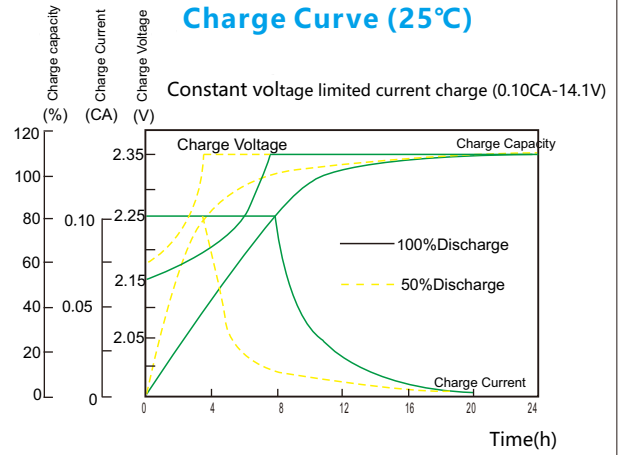
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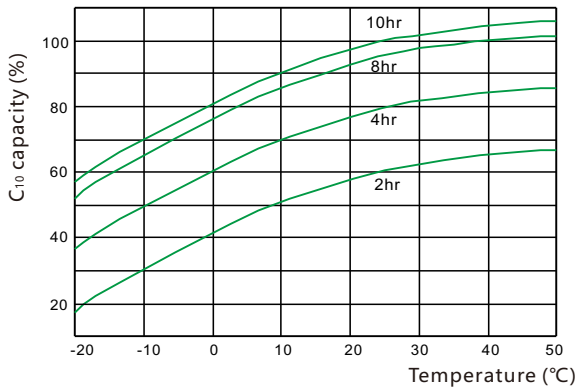
Discharge Voltage vs Time Curve (25°C)



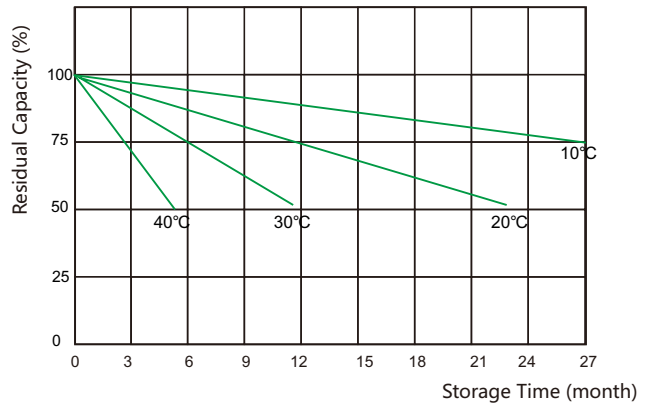
Charge Curve (25°C)



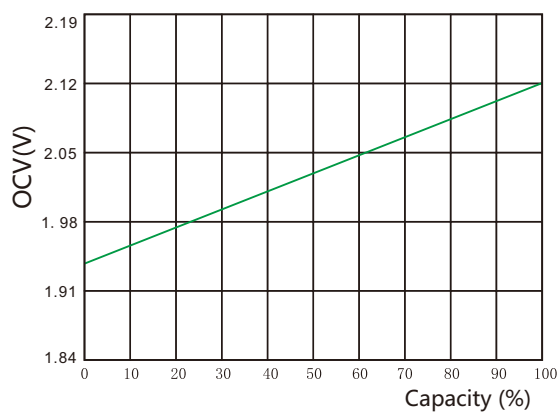
Capacity vs temperature curve



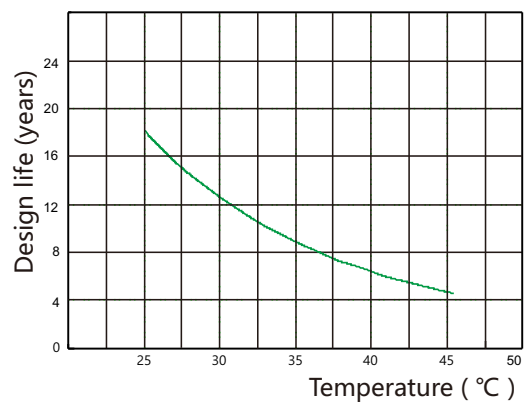
Residual Capacity vs Storage Time



Capacity vs OCV curve



Design life vs temperature



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