

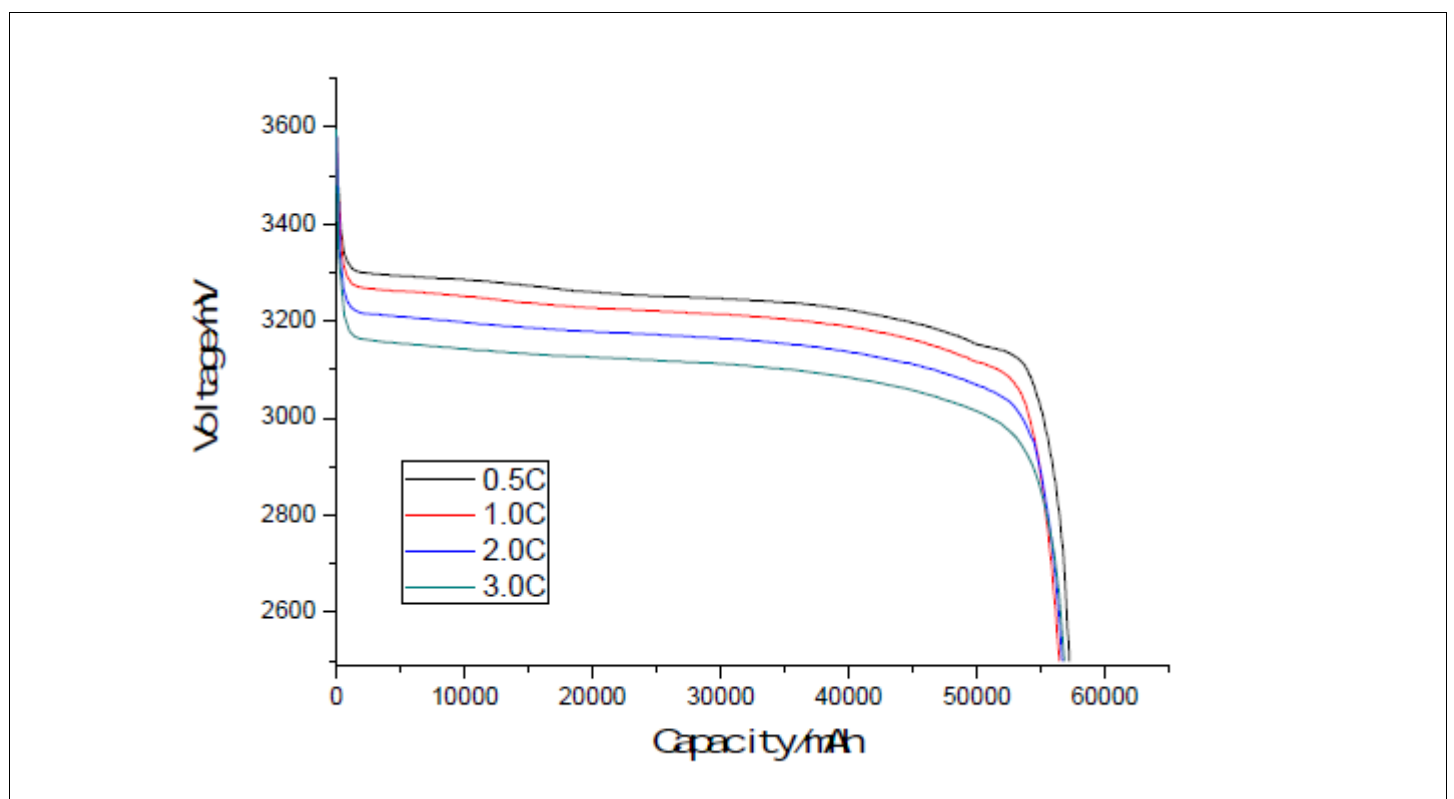
# GWL/ Power Group Technology Solutions - Stay Powered for the Future

## WN50AH cell specification

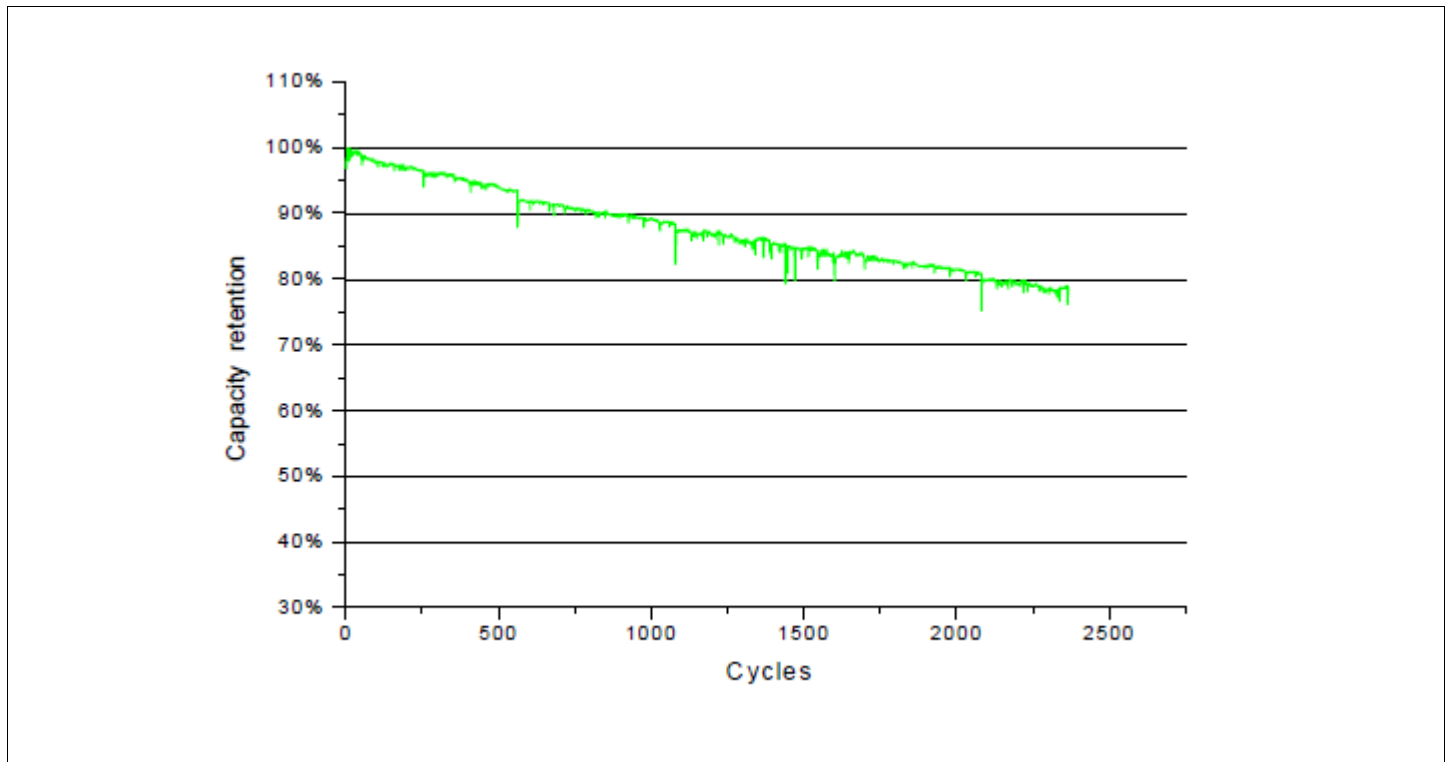


Model name	WN50AH	Alternative product marking IFP50Ah
Nominal voltage	3.2 V	Operating voltage under load is 3.0 V
Capacity	50 AH	+/- 5%
Internal Resistance	<2 mΩ	
Operating voltage	min 2.6V - max 3,65 V	At 80% DOD
Discharge Termination Voltage	2.5 V	The cells is damaged if voltage drops below this level
Charging Voltage Limit	3.7 V	The cells is damaged if voltage exceeds this level
Standard Charge Current	16,6 A	0,3C Constant Current
Standard Discharge Current	16,6 A	0,3C Constant Current
Life cycles	>2000	0.3C, 80% DDC
Maximum Continuous Discharge Current	150 A	3 C Constant Current
Maximum Instantaneous Discharge Current	250 A	5 C >15sec
3C Discharge Capacity	≥ 45 Ah	Nominal Capacity 90%
Working Temperature - charging	0°C ~ 45°C	The battery temperature should not increase this level
Working Temperature - discharging	-20°C ~ 60°C	The battery temperature should not increase this level
Storage thermal Ambient	-20°C ~ 45°C	The battery temperature should not increase this level
Atmospheric Pressure	86~106	KPa
Relative Humidity	25%~85%	RH
Shell Material	AL / plastik	flame retardants
Size (LxWxH)	47 × 120 × 187 mm	millimeters (tolerance +/- 1 mm)
Weight	1750g	grams (tolerance ±50g)

### Rate Discharge Typical Curve:



### Circle Life Curve:



### Dimensions:

