



## SPECTRA 100AH/ 150AH/ 200AH BATTERIES

### Features:

- Deep cycle application
- Fast recovery from deep discharge
- Extended cycle life
- Fast recharge capability
- Excellent charge retention
- International size
- Free from orientation constraints
- Eco-friendly

### Specification Table

Battery Type	Nominal Voltage (V)	Rated Capacity (Ah) at 27°C								Dimensions (mm)				Weight (kg) +/-5%	Internal Resistance (mohm)	Maximum Discharge Current (Amps)
		20hr 1.75 V/cell	10hr 1.75 V/cell	5hr 1.75 V/cell	3hr 1.75 V/cell	2hr 1.75 V/cell	90 mins 1.75 V/cell	60 mins 1.75 V/cell	Overall Height +/-3	Height up to lid +/-3	Length +/-2	Width +/-2				
NXT 17-12	12	17	15.5	14.0	13.0	12.0	11.0	9.5	167	167	181	76	5.90	15	255	
NXT 26-12	12	26	23.5	21.0	19.5	18.0	17.0	14.5	175	175	166	125	9.60	10	390	
NXT 42-12	12	42	38.0	34.0	31.5	29.5	27.5	23.0	170	170	197	165	15.70	8	420	
NXT 65-12	12	65	58.5	52.5	49.0	45.5	43.0	36.0	174	174	350	166	22.30	8	500	
NXT 100-12	12	100	90.0	81.0	75.0	70.0	66.0	55.0	235	235	407	173	35.50	6	600	
NXT 150-12	12	150	135.0	121.5	112.5	105.0	99.0	82.5	240	240	557	172	50.20	6	900	
NXT 200-12	12	200	180.0	162.0	150.0	140.0	132.0	110.0	240	240	533	250	68.40	5	1200	

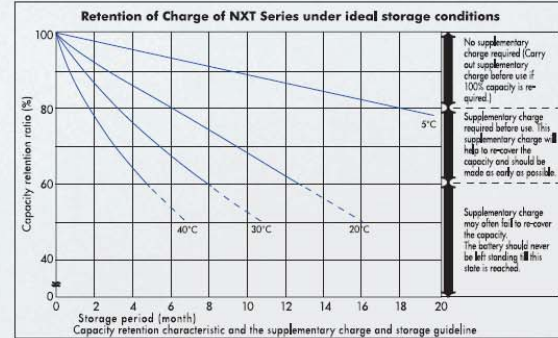
Note: Batteries are despatched from factory at minimum 90% state of charge. Full capacity is achieved after a minimum ten numbers of charge - discharge cycle at full depth or 3 months of continuous float operation.

### CONSTANT CURRENT DISCHARGE TABLE FOR NXT RANGE AT 27 Deg. C

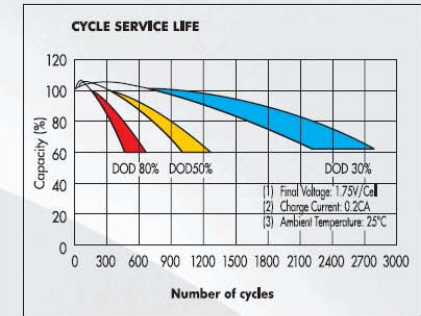
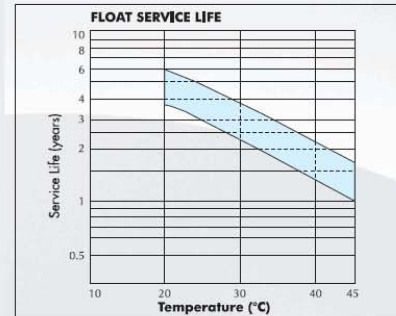
END VOLTAGE/CELL	BATTERY TYPE	DISCHARGE TIME							
		1 Min	5 Min	10 Min	15 Min	20 Min	30 Min	60 Min	
1.75 V/Cell	NXT 17-12	4.00C	2.20C	1.50C	1.30C	1.00C	0.75C	0.55C	
	NXT 26-12	4.00C	2.20C	1.50C	1.30C	1.00C	0.75C	0.55C	
	NXT 42-12	4.00C	2.20C	1.50C	1.30C	1.00C	0.75C	0.55C	
	NXT 65-12	4.00C	2.20C	1.50C	1.30C	1.00C	0.75C	0.55C	
	NXT 100-12	4.00C	2.20C	1.50C	1.30C	1.00C	0.75C	0.55C	
	NXT 150-12	3.00C	2.00C	1.35C	1.15C	0.9C	0.75C	0.55C	
1.70 V/Cell	NXT 17-12	4.50C	2.30C	1.70C	1.40C	1.20C	0.76C	0.56C	
	NXT 26-12	4.50C	2.30C	1.70C	1.40C	1.20C	0.76C	0.56C	
	NXT 42-12	4.50C	2.30C	1.70C	1.40C	1.20C	0.76C	0.56C	
	NXT 65-12	4.50C	2.30C	1.70C	1.40C	1.20C	0.76C	0.56C	
	NXT 100-12	4.50C	2.30C	1.70C	1.40C	1.20C	0.76C	0.56C	
	NXT 150-12	3.50C	2.05C	1.55C	1.25C	1.10C	0.76C	0.56C	
1.60 V/Cell	NXT 17-12	5.00C	2.50C	1.80C	1.50C	1.25C	0.78C	0.58C	
	NXT 26-12	5.00C	2.50C	1.80C	1.50C	1.25C	0.78C	0.58C	
	NXT 42-12	5.00C	2.50C	1.80C	1.50C	1.25C	0.78C	0.58C	
	NXT 65-12	5.00C	2.50C	1.80C	1.50C	1.25C	0.78C	0.58C	
	NXT 100-12	5.00C	2.50C	1.80C	1.50C	1.25C	0.78C	0.58C	
	NXT 150-12	4.00C	2.25C	1.60C	1.35C	1.10C	0.78C	0.58C	
NXT 200-12	4.00C	2.25C	1.60C	1.35C	1.10C	0.78C	0.58C		

C : Rated C20 capacity of the battery

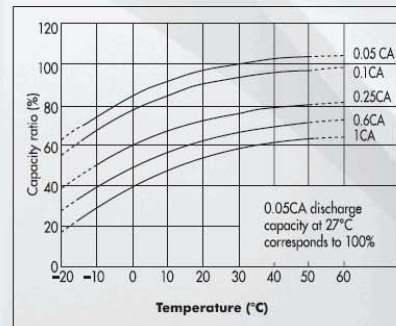
### CAPACITY RETENTION



### NXT SERVICE LIFE



### EFFECT OF TEMPERATURE ON CAPACITY



### NXT DISCHARGE CHARACTERISTICS

