

The logo features the tagline "Premium Power From Premium Battery" in a white sans-serif font with a blue outline, positioned above the brand name "newmax". The brand name is rendered in a large, bold, blue sans-serif font with a white outline. The background of the logo is a photograph of a yellow school bus driving on a road, with green trees and a blue sky visible.



■ Case & Cover

- ## ■ Separators

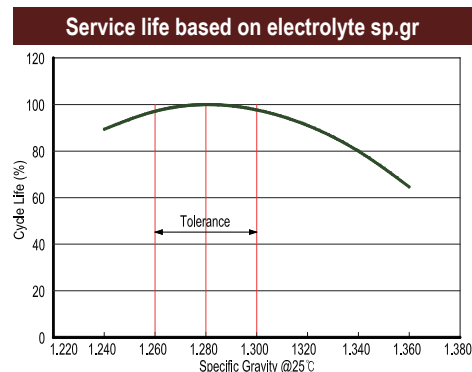
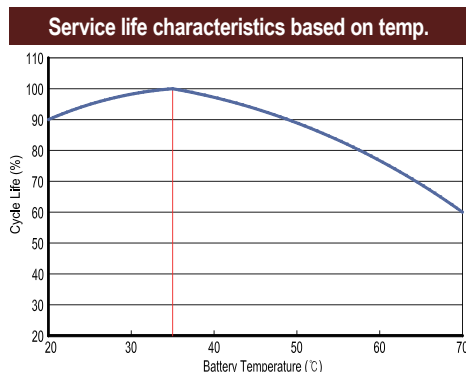
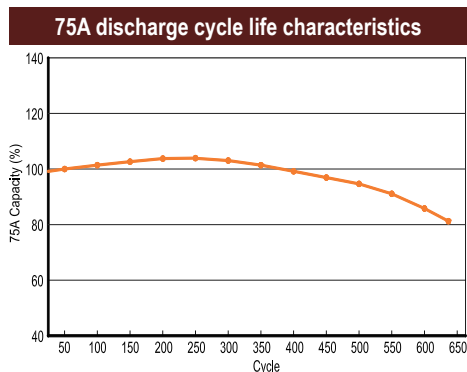
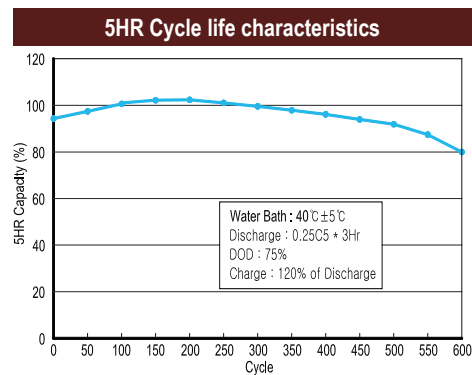
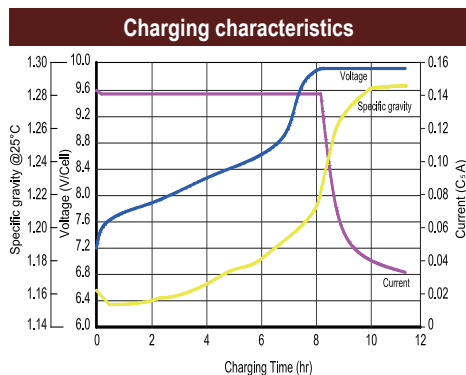
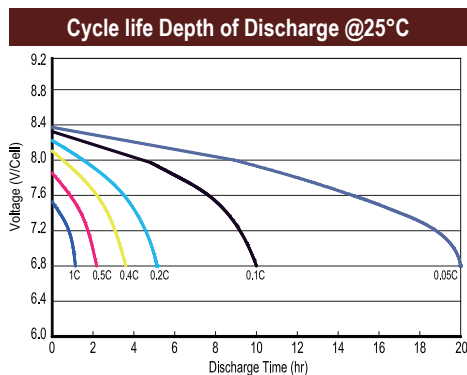
- Plates

- ## ■ Electrolyte & Cap

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- Technical drawing of a bolted joint assembly showing three views: a side view and two end views.
- Side View Dimensions:**
- Total height: 33
 - Plate thickness: 12
 - Spring washer height: 16
 - Total width: 49.75
 - Bolt diameter: $\phi 19.5$
- End View Dimensions (Left):**
- Plate hole diameter: $\phi 16.8$
 - Spring washer outer diameter: $\phi 28.7$
 - Spring washer inner diameter: $\phi 15$
 - Plate thickness: 1T
- End View Dimensions (Right):**
- Spring washer height: 4.1T
- Labels:**
- Bolt&Nut : 5/16-18UNC(SUS304)
 - Washer(Spring)
 - Washer(Plate)



Head office: 134, 1Gongdanro 6gil, Gumi-city, Gyeongsangbuk-Do, Korea TEL) +82-54-463-7091~3 FAX) +82-54-463-7094
Seoul office: 3F Dogok B/D. 14, Nambusunhwanro, 359-gil Gangnam-Ku, Seoul, Korea TEL) +82-2-883-7091 FAX) +82-2-882-7094



Battery model	BM 6240 (6V240AH / 20 HOUR RATE)			
Dimensions (mm)	Length	Width	Height	Total Height
	260	183	247	279
Approx. weight	30.7kg (67.68lbs)			
Operating temperature (°C)	Charge	10 ~ 35°C		
	Discharge	-15 ~ 45°C		
Max. discharge current (5sec)	420 A	Recommended max. discharge current (continuous)		105A
Capacity affected by Temperature	30°C(86°F)	25°C(77°F)	10°C(50°F)	-10°C(14°F)
	105%	100%	94%	75%
Electrolyte / Separator	1.280 sp.gr (25°C) / PVC+glass mat			
Recommended Charging (25°C)	Charging voltage (Constant power)			Charging current
	2.375V/cell absorption & 2.58V/cell finishing voltage			Max 63.0A
Capacity (25°C)	100HR (1.80VPC)	20HR (1.75VPC)	5HR (1.70VPC)	@75A(min)
	264	240	195	132

Voltage vs SOC based on Temperture

SOC (%)	-15°C		-10°C		-5°C		0°C		5°C		10°C		15°C		20°C		25°C		30°C		35°C		40°C		45°C	
	V	SG	V	SG	V	SG	V	SG	V	SG	V	SG	V	SG	V	SG	V	SG	V	SG	V	SG	V	SG	V	SG
25	5.964	1.158	5.961	1.155	5.958	1.151	5.955	1.148	5.952	1.144	5.949	1.140	5.946	1.137	5.943	1.134	5.940	1.130	5.937	1.126	5.934	1.123	5.931	1.119	5.928	1.116
30	5.994	1.168	5.991	1.165	5.988	1.161	5.985	1.158	5.982	1.154	5.979	1.150	5.976	1.147	5.973	1.144	5.970	1.140	5.967	1.136	5.964	1.133	5.961	1.129	5.958	1.126
35	6.024	1.178	6.021	1.175	6.018	1.171	6.015	1.168	6.012	1.164	6.009	1.160	6.006	1.157	6.003	1.154	6.000	1.150	5.997	1.146	5.994	1.143	5.991	1.139	5.988	1.136
40	6.054	1.188	6.051	1.185	6.048	1.181	6.045	1.178	6.042	1.174	6.039	1.170	6.036	1.167	6.033	1.164	6.030	1.160	6.027	1.156	6.024	1.153	6.021	1.149	6.018	1.146
45	6.084	1.198	6.081	1.195	6.078	1.191	6.075	1.188	6.072	1.184	6.069	1.180	6.066	1.177	6.063	1.174	6.060	1.170	6.057	1.166	6.054	1.163	6.051	1.159	6.048	1.156
50	6.114	1.208	6.111	1.205	6.108	1.201	6.105	1.198	6.102	1.194	6.099	1.190	6.096	1.187	6.093	1.184	6.090	1.180	6.087	1.176	6.084	1.173	6.081	1.169	6.078	1.166
55	6.144	1.218	6.141	1.215	6.138	1.211	6.135	1.208	6.132	1.204	6.129	1.200	6.126	1.197	6.123	1.194	6.120	1.190	6.117	1.186	6.114	1.183	6.111	1.179	6.108	1.176
60	6.174	1.228	6.171	1.225	6.168	1.221	6.165	1.218	6.162	1.214	6.159	1.210	6.156	1.207	6.153	1.204	6.150	1.200	6.147	1.196	6.144	1.193	6.141	1.189	6.138	1.186
65	6.204	1.238	6.201	1.235	6.198	1.231	6.195	1.228	6.192	1.224	6.189	1.220	6.186	1.217	6.183	1.214	6.180	1.210	6.177	1.206	6.174	1.203	6.171	1.199	6.168	1.196
70	6.234	1.248	6.231	1.245	6.228	1.241	6.225	1.238	6.222	1.234	6.219	1.230	6.216	1.227	6.213	1.224	6.210	1.220	6.207	1.216	6.204	1.213	6.201	1.209	6.198	1.206
75	6.264	1.258	6.261	1.255	6.258	1.251	6.255	1.248	6.252	1.244	6.249	1.240	6.246	1.237	6.243	1.234	6.240	1.230	6.237	1.226	6.234	1.223	6.231	1.219	6.228	1.216
80	6.294	1.268	6.291	1.265	6.288	1.261	6.285	1.258	6.282	1.254	6.279	1.250	6.276	1.247	6.273	1.244	6.270	1.240	6.267	1.236	6.264	1.233	6.261	1.229	6.258	1.226
85	6.324	1.278	6.321	1.275	6.318	1.271	6.315	1.268	6.312	1.264	6.309	1.260	6.306	1.257	6.303	1.254	6.300	1.250	6.297	1.246	6.294	1.243	6.291	1.239	6.288	1.236
90	6.354	1.288	6.351	1.285	6.348	1.281	6.345	1.278	6.342	1.274	6.339	1.270	6.336	1.267	6.333	1.264	6.330	1.260	6.327	1.256	6.324	1.253	6.321	1.249	6.318	1.246
95	6.384	1.298	6.381	1.295	6.378	1.291	6.375	1.288	6.372	1.284	6.369	1.280	6.366	1.277	6.363	1.274	6.360	1.270	6.357	1.266	6.354	1.263	6.351	1.259	6.348	1.256
100	6.414	1.308	6.411	1.305	6.408	1.301	6.405	1.298	6.402	1.294	6.399	1.290	6.396	1.287	6.393	1.284	6.390	1.280	6.387	1.276	6.384	1.273	6.381	1.269	6.378	1.266