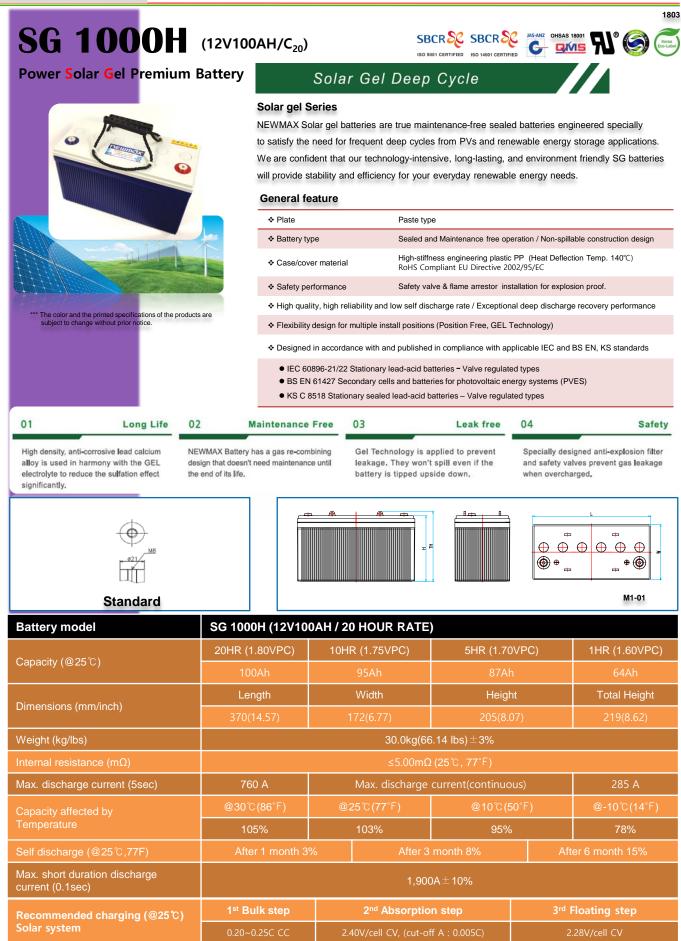
# POWERINOX



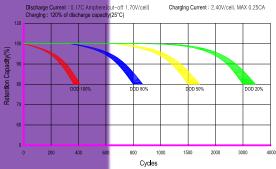


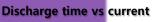
Seoul office : Daejin Bldg. 10-633 Seowon-dong, Kwanak-ku, Seoul, Korea TEL) +82-2-883-7091 FAX) +82-2-882-7094 Head office : 306 Gongdan-dong, Gumi-city, Kyungbuk, Korea TEL) +82-54-463-7091-3 FAX) +82-54-463-7094

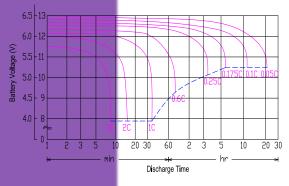
# **INCLUMOX** Industry Leader in Lead-Acid Batteries

# **POWERINOX**<sup>®</sup>

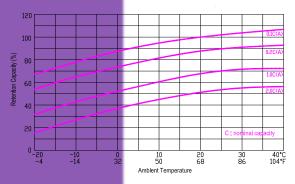
#### Cycle life characteristics



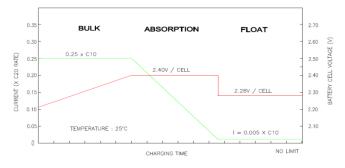




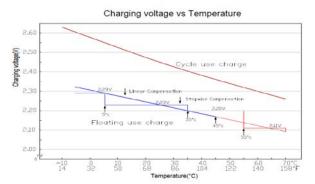
Effect of temperature on capacity



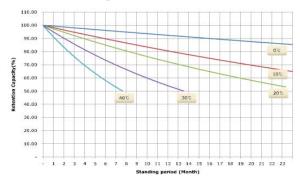
#### Solar charging characteristics



#### Charge voltage and Temperature



#### Self discharge



## Constant current discharge ratings – Amperes per cell @ 25°C

V/cell	Minutes						Hours						
	5	10	15	20	30	40	1	3	5	8	10	20	
1.90V	188	156	146	118	97.9	83.0	62.4	23.4	15.4	10.1	8.8	4.6	
1.85V	224	173	168	136	109	92.5	63.9	24.4	15.9	10.6	9.2	4.8	
1.80V	262	206	180	144	112	95.4	64.4	25.3	16.3	10.9	9.5	5.0	
1.75V	282	218	188	148	114	98.3	64.9	26.2	16.8	11.2	9.7	5.1	
1.70V	305	228	194	151	116	99.0	65.2	26.7	17.7	11.7	10.1	5.3	
1.65V	314	233	197	154	117	99.3	64.5	27.6	18.0	12.1	10.4	5.5	
1.60V	323	238	199	155	117	99.5	64.0	28.1	18.5	12.4	10.7	5.6	

## Constant power discharge ratings – Watts per cell @ 25°C

V/cell	Minutes						Hours						
	5	10	15	20	30	40	1	3	5	8	10	20	
1.90V	365	303	283	230	193	163	123	46	30	20	18	9	
1.85V	435	335	325	263	215	182	126	48	31	21	18	10	
1.80V	507	400	350	279	220	188	127	50	32	22	19	10	
1.75V	547	422	364	288	225	194	128	52	33	22	19	10	
1.70V	591	443	377	293	228	195	128	53	35	23	20	11	
1.65V	609	452	383	298	230	196	129	54	35	24	21	11	
1.60V	627	462	386	301	231	196	130	55	36	25	21	11	



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