DATASHEET (1/2)

Cyclic & Emergency Application Battery

Range: **EMERGENCY AGM**
Type name: **TBE6-4,5**
Barcode: **8436594880650**

		
6	-	F1

PERFORMANCES*		CONFIGURATION	
Voltage:	6 V	Size:	70x47x100 mm
Capacity:	4,5 Ah (20h)	Polarity:	6
Cap. 5/10/100h:	3,8/4,2/5 Ah	Terminal:	F1 (faston)
Energy at 100h:	0,03 kWh	Holddown:	-
Cycles at 50%:	500	Ventilation	Valve regulated (VRLA)
Max. current:	68 A (5seg)	Maintenance:	Not required (MF)
Int. Resistance:	25 mΩ		
Self-Discharge:	15 months (from the date of production, at 25°C)		

*According to standards IEC 60254/60896

INTERNAL CONSTRUCTION		COMPONENTS	
Technology:	Manufacturer-sealed AGM	Container:	ABS/black
		Lid:	ABS/black
Alloy:	Calcium	Plugs:	Termal sealing, ABS/black
Separator:	AGM (glass mat)	Handles:	-
Total Weight:	0,8 kg		
Origin:	Asia		

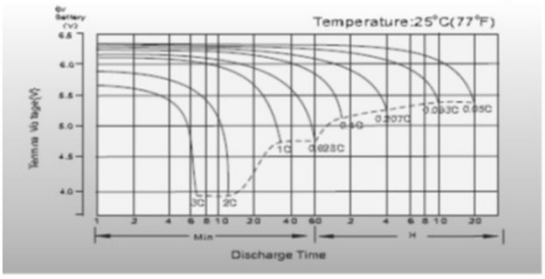
RECOMMENDATIONS	
Storage:	Check voltage every 8 months.
Recharge:	Use automatic chargers with constant voltage and AGM setup.
Installation:	Use the apropriate cable section and length. Keep connections tight.

CEMA Baterías is the exclusive importer for Europe of DECK Battery products

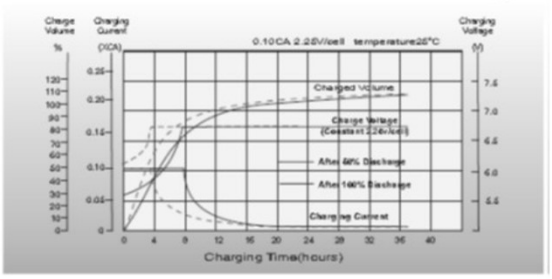
TABLES & CHARTS EMERGENCY AGM TBE6-4,5

TBE6-4,5 Constant Current Discharge (Amperes) at 25 °C															
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	8.64	6.02	4.97	4.31	3.46	2.66	2.17	1.33	1.01	0.831	0.706	0.611	0.486	0.404	0.223
1.80V/cell	10.6	7.19	5.76	4.87	3.83	2.90	2.34	1.41	1.06	0.874	0.736	0.638	0.504	0.419	0.225
1.75V/cell	12.6	8.13	6.35	5.31	4.09	3.08	2.46	1.47	1.10	0.901	0.756	0.654	0.518	0.427	0.227
1.70V/cell	14.3	8.96	6.88	5.70	4.29	3.20	2.57	1.53	1.14	0.924	0.775	0.670	0.525	0.434	0.231
1.65V/cell	15.7	9.64	7.27	5.98	4.47	3.32	2.67	1.58	1.17	0.943	0.792	0.683	0.534	0.440	0.234
1.60V/cell	16.5	10.0	7.58	6.17	4.60	3.40	2.73	1.63	1.19	0.966	0.808	0.696	0.545	0.447	0.236
TBE6-4,5 Constant Power Discharge (Watts/cell) at 25 °C															
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	16.3	11.5	9.55	8.35	6.74	5.21	4.28	2.63	2.01	1.66	1.41	1.23	0.977	0.815	0.450
1.80V/cell	19.8	13.6	11.0	9.37	7.41	5.65	4.58	2.78	2.10	1.73	1.46	1.27	1.01	0.838	0.452
1.75V/cell	23.2	15.2	12.0	10.1	7.86	5.96	4.80	2.88	2.16	1.78	1.49	1.30	1.03	0.849	0.453
1.70V/cell	26.0	16.6	12.9	10.8	8.20	6.16	4.97	2.98	2.22	1.81	1.52	1.32	1.04	0.858	0.459
1.65V/cell	28.3	17.6	13.4	11.2	8.48	6.36	5.15	3.05	2.27	1.84	1.55	1.34	1.05	0.866	0.463
1.60V/cell	29.2	18.1	13.9	11.4	8.62	6.44	5.22	3.13	2.31	1.87	1.57	1.36	1.07	0.876	0.464

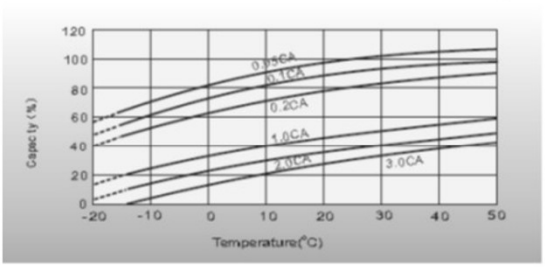
Discharge Characteristics



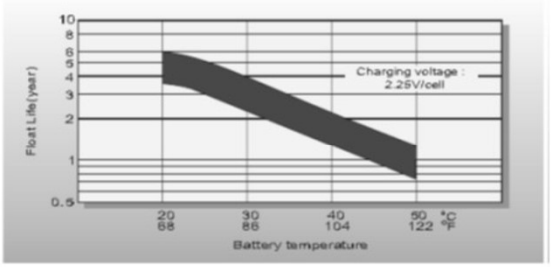
Float Charging Characteristics



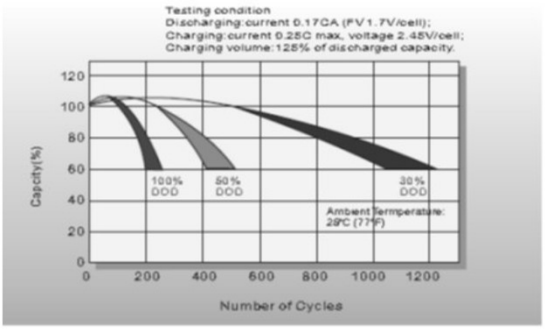
Temperature Effects in Relation to Battery Capacity



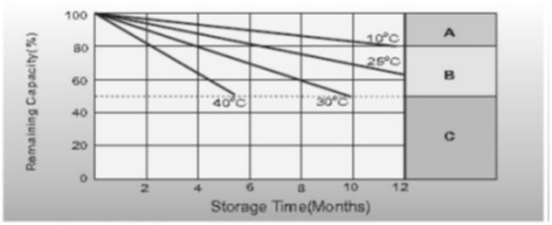
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



A — No supplementary charge required
(Carry out supplementary charge before use if 100% capacity is required.)

B — Supplementary charge required before use.Optional charging way as below:
1.Charged for above 3 days at limited current 0.25CA and constant volatge 2.25V/cell.
2.Charged for above 20hours at limited current 0.25CA and constant volatge 2.45V/cell.
3.Charged for 8~10hours at limited current 0.05CA .

C — Supplementary charge may often fail to recover the capacity.
The battery should never be left standing till this is reached.