

Range: **CYCLIC AGM**
 Type name: **TBC12-180**
 Barcode: **8436594880612**



PERFORMANCES*		CONFIGURATION	
Voltage:	12 V	Size:	532x207x214 mm (4D)
Capacity:	190 Ah (20h)	Polarity:	4
Cap. 5/10/100h:	160/180/207 Ah	Terminal:	M (M8 thread)
Energy at 100h:	2,48 kWh	Holddown:	-
Cycles at 50%:	700	Ventilation:	Valve regulated (VRLA)
Max. current:	1800 A (5seg)	Maintenance:	Not required (MF)
Int. Resistance:	3 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/light grey
Alloy:	Calcium	Lid:	ABS/dark grey
Separator:	AGM (glass mat)	Plugs:	Termal sealing, ABS/dark grey
Total Weight:	54 kg	Handles:	On container, rope/white
Origin:	Asia		

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

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

TABLES & CHARTS

CYCLIC AGM

TBC12-180

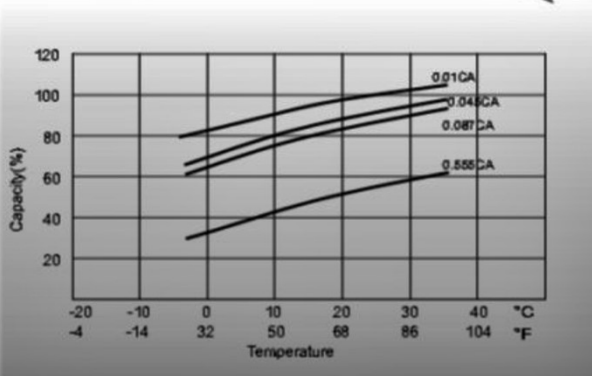
TBC12-180 Constant Current Discharge (Amperes) at 25 °C

F.V/Time	1h	2h	3h	4h	5h	6h	8h	10h	20h	48h	72h	100h	120h
1.85V/cell	94.6	53.9	42.8	34.9	29.9	26.9	21.1	16.9	8.87	3.80	2.62	1.94	1.69
1.80V/cell	100.1	56.8	45.0	36.5	31.0	27.8	21.6	18.0	9.45	4.05	2.79	2.07	1.80
1.75V/cell	106.2	59.3	46.3	38.0	32.0	28.7	22.0	18.4	9.64	4.13	2.84	2.11	1.84
1.70V/cell	111.1	61.6	47.7	38.9	32.6	29.2	22.3	18.5	9.73	4.17	2.87	2.13	1.85
1.67V/cell	115.0	63.4	49.1	39.8	33.1	29.6	22.7	18.7	9.83	4.21	2.90	2.15	1.87
1.60V/cell	116.3	64.5	50.0	40.3	33.7	30.1	22.9	18.9	9.92	4.25	2.93	2.17	1.89

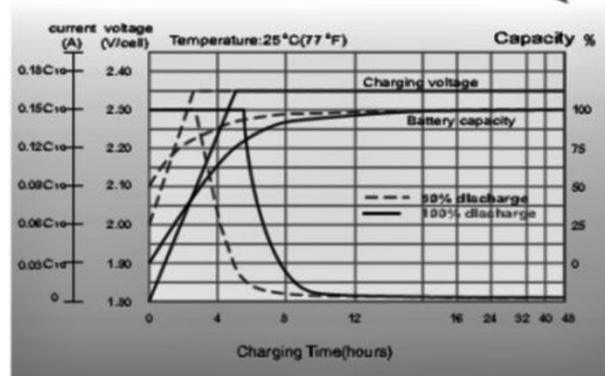
TBC12-180 Constant Power Discharge (Watts/cell) at 25 °C

F.V/Time	1h	2h	3h	4h	5h	6h	8h	10h	20h	48h	72h	100h	120h
1.85V/cell	183.9	105.3	84.0	68.6	58.8	53.1	41.6	33.5	17.6	7.61	5.26	3.92	3.41
1.80V/cell	193.3	110.4	87.9	71.6	60.8	54.8	42.6	35.6	18.8	8.09	5.60	4.28	3.73
1.75V/cell	203.6	114.8	89.9	74.1	62.7	56.3	43.2	36.2	19.1	8.25	5.71	4.37	3.80
1.70V/cell	211.4	118.4	92.3	75.6	63.6	57.0	43.8	36.5	19.3	8.32	5.75	4.40	3.83
1.67V/cell	217.9	121.6	94.8	77.1	64.5	57.9	44.5	36.8	19.5	8.39	5.80	4.44	3.87
1.60V/cell	218.4	122.7	96.0	77.8	65.2	58.5	44.7	37.1	19.6	8.46	5.85	4.48	3.90

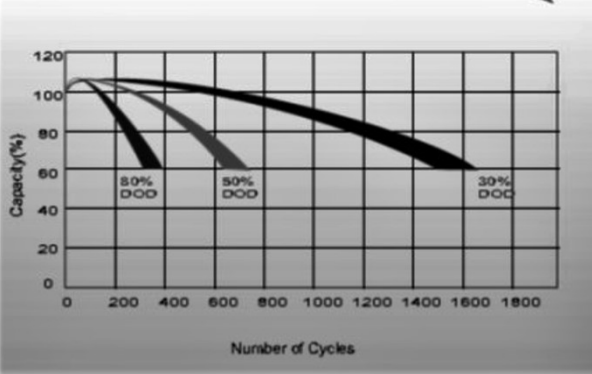
Temperature Effects in Relation to Battery Capacity



Charging Characteristics



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

