

Range: **CYCLIC AGM**
 Type name: **TBC12-130**
 Barcode: **8436594880582**



PERFORMANCES*		CONFIGURATION	
Voltage:	12 V	Size:	408x177x225 mm (D1)
Capacity:	128 Ah (20h)	Polarity:	1
Cap. 5/10/100h:	105/120/134 Ah	Terminal:	M (M8 thread)
Energy at 100h:	1,62 kWh	Holddown:	-
Cycles at 50%:	700	Ventilation:	Valve regulated (VRLA)
Max. current:	1300 A (5seg)	Maintenance:	Not required (MF)
Int. Resistance:	4 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:	38 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.

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TABLES & CHARTS

CYCLIC AGM

TBC12-130

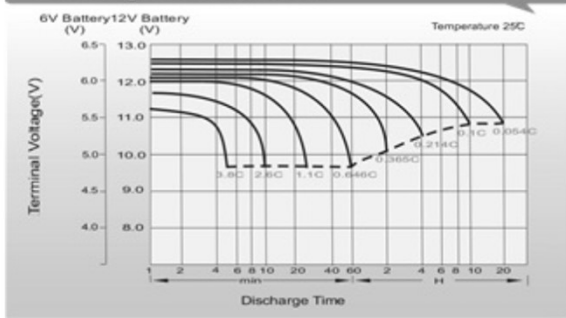
TBC12-130 Constant Current Discharge (Amperes) at 25 °C

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	175.7	147.8	129.2	93.0	73.8	59.9	37.2	29.0	23.5	19.1	16.7	13.6	11.3	6.37
1.80V/cell	224.5	178.6	152.2	109.7	85.9	67.1	40.6	31.2	25.1	20.5	17.9	14.4	12.0	6.43
1.75V/cell	246.7	195.1	164.3	113.9	89.1	70.2	42.1	31.8	25.7	21.0	18.4	14.7	12.1	6.49
1.70V/cell	268.9	2018.3	172.6	118.5	92.7	72.4	43.8	32.7	26.3	21.6	18.7	14.9	12.2	6.61
1.65V/cell	290.2	221.5	183.4	125.0	95.0	74.9	45.0	34.1	27.2	22.2	19.2	15.1	12.5	6.70
1.60V/cell	315.0	136.9	195.4	132.0	99.0	77.5	46.5	35.1	28.1	22.9	19.6	15.3	12.6	6.73

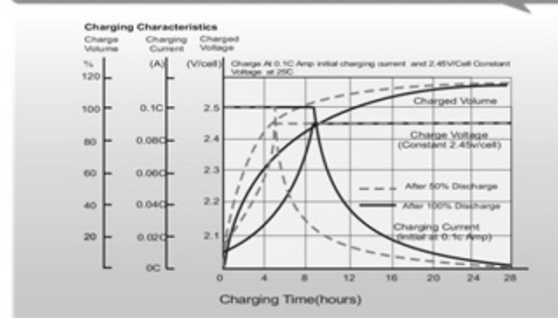
TBC12-130 Constant Power Discharge (Watts/cell) at 25 °C

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	327.8	278.7	246.2	178.6	142.8	116.3	72.5	56.7	46.0	37.5	32.9	26.9	22.4	12.8
1.80V/cell	413.3	331.7	286.2	208.2	164.8	129.5	78.7	60.7	48.9	40.2	54.2	28.5	23.8	12.9
1.75V/cell	448.5	358.9	305.7	215.1	170.2	135.0	81.4	61.7	49.9	41.1	36.1	29.0	24.0	13.0
1.70V/cell	482.0	380.3	319.5	223.0	176.4	138.9	84.4	63.2	51.1	42.1	36.8	29.3	24.2	13.2
1.65V/cell	516.5	401.8	337.8	234.2	180.2	143.1	86.5	65.8	52.8	43.2	37.5	29.8	24.7	13.3
1.60V/cell	551.2	424.6	356.2	244.8	186.1	147.0	88.9	67.4	54.2	44.4	38.3	30.0	24.9	13.4

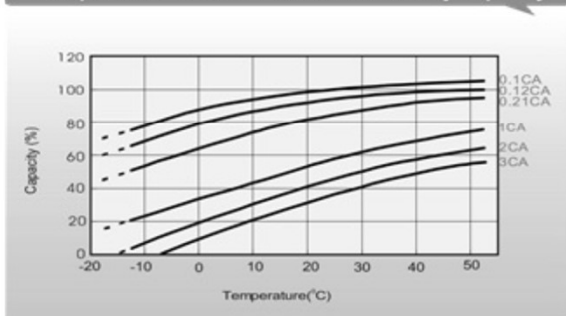
Discharge Characteristics



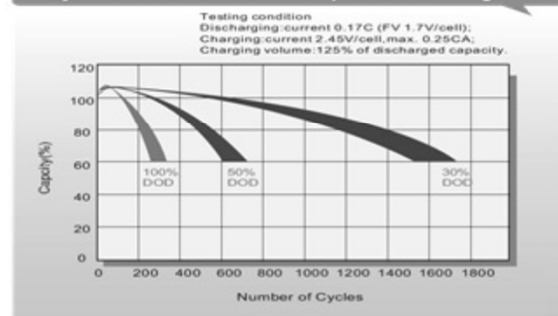
Charging Characteristics (cycle use)



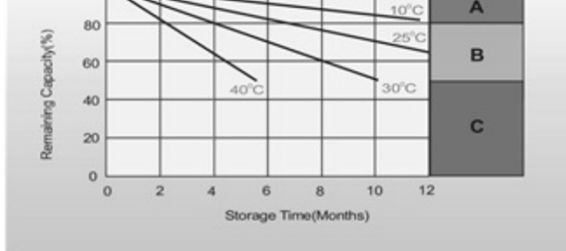
Temperature Effects in Relation to Battery Capacity



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



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 voltage 2.25V/cell.
2. Charged for above 20hours at limited current 0.25CA and constant voltage 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 recharged.