



ESPEX

TGEL

VRLA Tubular Gel Batteries

ESPEX **TGEL 12V Monobloc**
VRLA Tubular Gel Batteries

Tubular Toughness *with*
VRLA Convenience

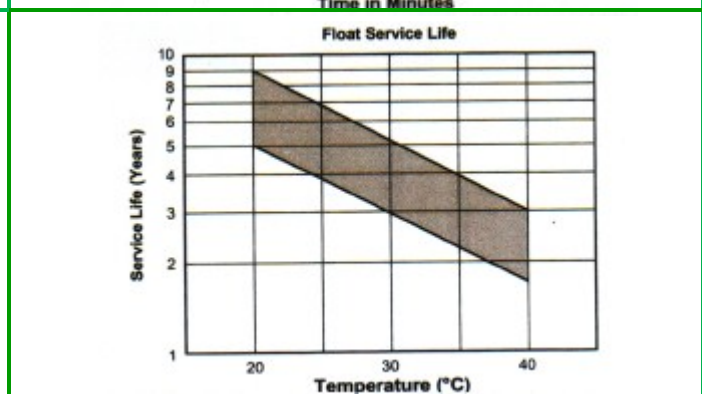
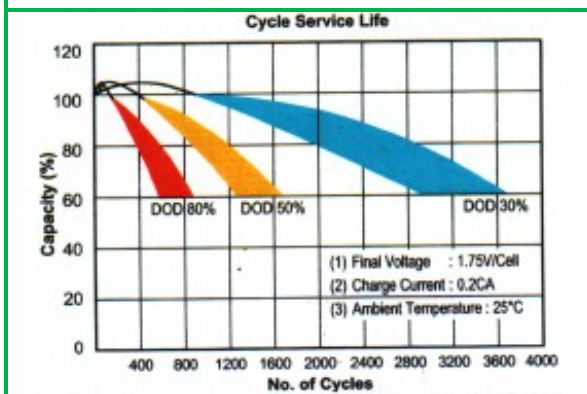
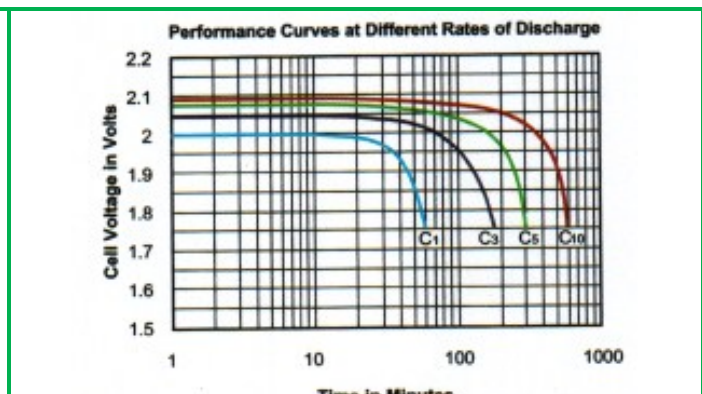
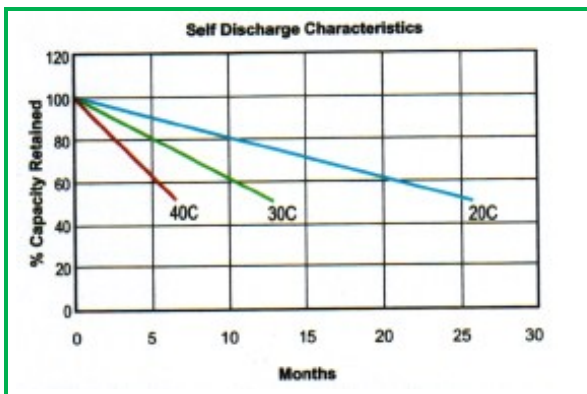
Application in:

- ◆ IT & Telecom
- ◆ UPS & Alarm systems
- ◆ Renewable Energy storage
- ◆ Emergency lighting
- ◆ Automation

The Ultimate in Standby Power

General Technical Specifications

Battery Type	Rated	AH Capacity to 1.75V at 25°C							Overall Cell Dimensions			Typical	Int.	Max
	Voltage	20 Hr	10 Hr	5 Hr	3 Hr	2 Hr	1 Hr	30 Min	Length	Width	Height	Weight	Res	Dis-charge
	(V)								mm	mm	mm	Kg	milli Ohms	Current (A)
TG 30-12	12	30	27	24	21	19	14	9	197	165	170	13.0	13	180
TG 45-12	12	45	41	36	32	29	20	13	350	166	174	19.0	10	270
TG 82-12	12	82	75	66	58	52	37	24	407	173	235	33.5	7	492
TG 105-12	12	105	95	84	74	67	48	31	557	172	240	44.0	6	630
TG 165-12	12	165	150	132	117	105	75	49	533	250	240	64.0	5	990



Construction Features

- ◆ Tubular positive plates, well established for partial state of charge operation make TGEL Series a durable battery for deep cycling applications. The GEL electrolyte makes it compact and maintenance-free with no topping up for life.
- ◆ Deep cycling capability
- ◆ Factory charged, ready to use.
- ◆ Compatible with Constant Current or Constant Voltage charging.

Manufacturing Plant certified

- ◆ ISO 9001:2000
- ◆ ISO 14001
- ◆ OHSAS 18001

Life Expectancy

- ◆ Up to 10 years In Float operation at 20°C
- ◆ Can be cycled up to 1000 times to 80% depth of discharge, at 20°C

NOTE: Batteries are shipped at 90% charge state.

Full capacity achieved after 10 cycles or 3 months on continuous Float.



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