

**UP-TF150-12**



**Product design features**

- 12+ years design life, EUROBAT specification Long Life
- Extremely high cyclic life and float life performance
- Wide range of operating temperature -20°C to +55°C
- One-way valve regulated system with flame-arrestor
- Internal gas recombination efficiency 98% - 99%
- Easy for installation, maintenance free product
- Delivered ready for use
- Shock resistant ABS flame retardant container and lid
- Three-layer terminal sealing for leak-free operation
- Female M8 brass terminals with no need for retightening
- Non-hazardous cargo for ground, sea and air transport
- Fully recyclable product

**Mechanical Characteristics**

	SI Units	US Units
<b>Length</b>	555 mm	21.8 inches
<b>Width</b>	125 mm	4.9 inches
<b>Height</b>	320 mm	12.6 inches
<b>Typical Weight</b>	51.2 kg	112.9 lbs
<b>Terminal Torque</b>	8.0 Nm	70.8 in.lbs

All batteries are fully compliant with IEC 60 896 - 21/22, EN 60 896 - part 2, BS 6290 - part 4

**Electrical Characteristics**

<b>Nominal voltage</b>	12 Volts
<b>10 hour capacity to 1.80 Vpc</b>	152.0 Ah
<b>8 hour capacity to 1.75 Vpc</b>	145.6 Ah
<b>Float voltage</b>	2.27 Vpc at 20°C, 2.25 Vpc at 25°C
<b>Accelerated recharge</b>	According to operational instructions
<b>Shelf life</b>	Up to 1 year
<b>Short circuit current</b>	2565 Amps
<b>Internal resistance</b>	4.85 mΩ

**Discharge performance at constant current discharge (A) at 25°C**

Uf, Vpc	5 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
<b>1.60</b>	444	250	151	100	56.0	41.4	33.8	28.7	24.2	18.7	15.9	8.42
<b>1.65</b>	420	241	148	97	55.0	40.9	33.4	28.6	24.1	18.6	15.8	8.31
<b>1.70</b>	391	232	144	95	54.0	40.0	33.0	28.4	23.8	18.4	15.6	8.23
<b>1.75</b>	347	221	141	92	53.2	39.8	32.8	28.0	23.7	18.2	15.4	8.16
<b>1.80</b>	303	204	134	90	52.3	39.5	32.5	27.8	23.5	18.0	15.2	8.12
<b>1.85</b>	242	182	121	84	50.0	39.0	32.2	27.1	23.0	17.5	14.7	7.90

**Discharge performance at constant power discharge (W per cell) at 25°C**

Uf, Vpc	5 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
<b>1.60</b>	885	542	320	195	107.6	83.2	69.7	57.9	49.0	37.0	31.2	16.5
<b>1.65</b>	837	523	314	191	106.1	82.7	69.3	57.7	48.8	36.8	31.0	16.4
<b>1.70</b>	769	500	307	189	104.6	81.4	68.5	57.6	48.6	36.4	30.9	16.3
<b>1.75</b>	700	470	301	182	103.1	80.9	68.2	57.1	48.5	36.1	30.7	16.2
<b>1.80</b>	621	433	288	180	101.9	80.7	67.5	56.2	47.9	35.6	29.9	16.1
<b>1.85</b>	520	382	259	170	97.8	80.4	66.7	54.6	46.5	34.5	29.3	15.9

