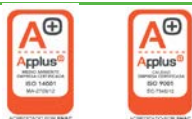


UP-TF100-12



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
Length	398 mm	15.67 inches
Width	110 mm	4.33 inches
Height	286 mm	11.26 inches
Typical Weight	33 kg	72.75 lbs
Terminal Torque	7.0 Nm	5.2 lbs.ft

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

Electrical Characteristics

Nominal voltage	12 Volts
10 hour capacity to 1.80 Vp	100.0 Ah
8 hour capacity to 1.75 Vpc	101.0 Ah
Float voltage	2.27 Vpc at 20°C, 2.25 Vpc at 25°C
Accelerated recharge	According to operational instructions
Shelf life	Up to 1 year
Short circuit current	1940 Amps
Internal resistance	6.55 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
1.60	260.4	163.2	110	65.5	36.6	26.8	21.4	17.9	15.5	12.4	10.3	5.6
1.65	259.2	162.4	109	65.0	36.4	26.7	21.3	17.8	15.4	12.3	10.3	5.5
1.70	256.8	160.8	106	64.2	36.2	26.5	21.2	17.7	15.3	12.2	10.2	5.5
1.75	254.4	159.2	105	63.4	35.9	26.3	21.0	17.6	15.2	12.1	10.1	5.5
1.80	252	157.6	104	62.4	35.5	26.0	20.8	17.4	15.0	12.0	10.0	5.4
1.85	234.4	156	103	61.0	34.6	25.3	20.3	17.0	14.6	11.7	9.8	5.3

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
1.60	551	324	224	126	71.3	52.2	41.7	34.9	30.1	24.1	20.1	10.8
1.65	548	322	223	125	71.0	52.0	41.5	34.8	30.0	24.0	20.0	10.8
1.70	544	320	220	124	70.6	51.5	41.3	34.6	29.8	23.9	19.9	10.7
1.75	539	317	218	123	69.9	51.0	40.9	34.3	29.5	23.5	19.7	10.6
1.80	534	314	217	122	69.2	50.7	40.5	33.9	29.3	23.4	19.5	10.5
1.85	521	307	215	120	67.5	49.4	39.5	33.1	28.5	22.8	19.0	10.3

