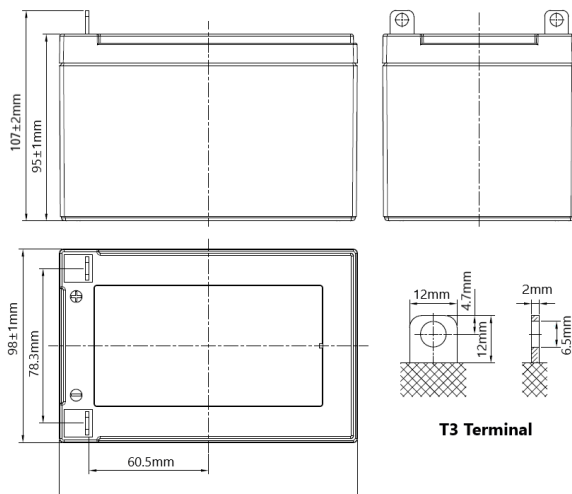


Technical Information

The Predator ES12140T3 is an Absorbent Glass Mat (AGM) battery designed for general purpose & standby applications including UPS, communication & security systems. Their ActivFire certification makes them an excellent choice for fire panel applications. The battery also fits into lawn mower applications including Stihl.

The valve regulated, non-spillable design delivers outstanding cycle life and a low self discharge rate. The Predator ES series are manufactured in a facility which is ISO 9001, 14001 & 45001 certified.

For deep cycle applications, the Predator ED series are recommended.



Features & Benefits

- ActivFire Certified
- Heavy Duty, Non-Spillable Design
- Glass Mat Separator Construction
- High Energy Density
- Low Self Discharge
- 5 years design life (@25°C)



Technical Specifications

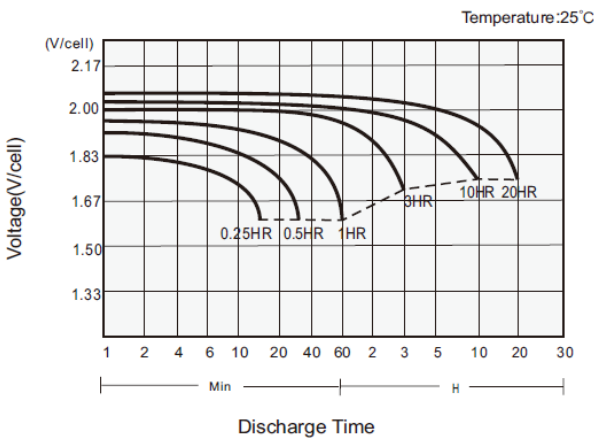
Battery Type	General Purpose AGM	Case Material Colour	ABS Blue Case, White Lid
Voltage	12V	Charge Current	Recommended: 1.4A Maximum: 4.2A
CCA	190A	Charge Voltage	14.1 – 14.7V @25°C (Temp. Coeff. -30mV/°C)
Capacity (20 Hr)	14Ah		
Internal Resistance (25°C)	Approx. 12mΩ	Float Voltage	13.5 – 13.8V @25°C (Temp. Coeff. -18mV/°C)
Overall Size (LxWxTH ±2mm)	151 x 98 x 107mm	Operating Temp. Charge	-20 to 40°C
Nominal Weight	3.90kg	Operating Temp. Discharge	-15 to 50°C

Discharge Table

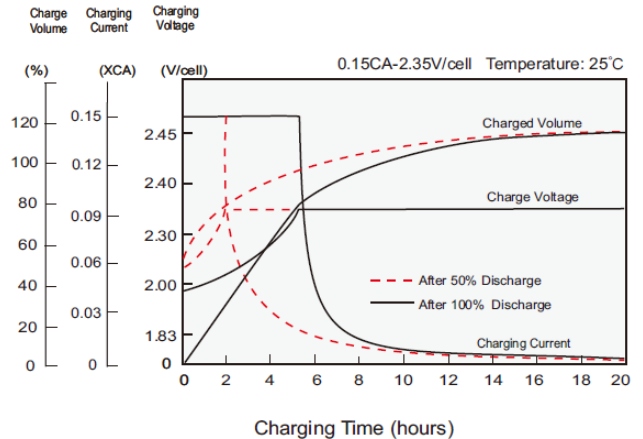
Constant Current Discharge (Amperes) at 25°C (77°F)																
F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	54.4	34.5	26.0	21.2	15.6	11.3	9.10	6.50	4.96	3.46	2.76	2.35	2.01	1.58	1.29	0.684
1.80V/cell	58.5	36.5	27.3	22.0	16.1	11.6	9.30	6.60	5.06	3.52	2.80	2.38	2.04	1.60	1.31	0.692
1.75V/cell	61.7	38.0	28.2	22.6	16.5	11.8	9.50	6.70	5.15	3.57	2.83	2.41	2.06	1.62	1.32	0.700
1.70V/cell	64.6	39.5	29.2	23.3	16.9	12.1	9.70	6.90	5.22	3.62	2.87	2.44	2.09	1.64	1.34	0.706
1.67V/cell	66.8	40.6	29.9	23.8	17.2	12.3	9.80	7.00	5.28	3.66	2.90	2.46	2.11	1.65	1.35	0.711
1.60V/cell	70.9	42.3	30.9	24.5	17.7	12.6	10.1	7.10	5.39	3.73	2.95	2.50	2.14	1.68	1.36	0.719

Constant Power Discharge (Watts/cell) at 25°C (77°F)																
F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	103.0	65.6	49.9	40.8	30.1	21.8	17.7	12.7	9.72	6.80	5.43	4.63	3.97	3.14	2.57	1.37
1.80V/cell	109.6	69.0	52.0	42.2	30.9	22.3	18.1	12.9	9.87	6.90	5.50	4.69	4.03	3.18	2.60	1.39
1.75V/cell	114.3	71.3	53.4	43.2	31.6	22.7	18.4	13.1	10.0	6.99	5.57	4.74	4.07	3.21	2.63	1.40
1.70V/cell	118.5	73.6	54.9	44.2	32.3	23.2	18.7	13.3	10.2	7.08	5.63	4.80	4.11	3.24	2.65	1.41
1.67V/cell	121.6	75.3	56.1	45.0	32.8	23.5	18.9	13.4	10.2	7.14	5.68	4.84	4.15	3.27	2.67	1.42
1.60V/cell	126.5	77.5	57.6	46.1	33.5	23.9	19.2	13.7	10.4	7.25	5.76	4.90	4.20	3.31	2.70	1.44

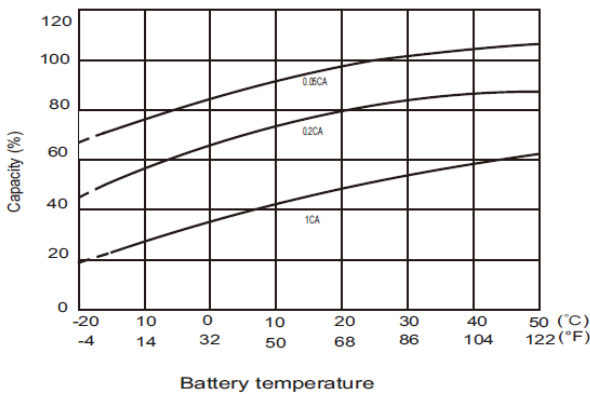
Discharging Characteristics



Charging Characteristics



Temperature vs Capacity



Self Discharge Characteristics

