

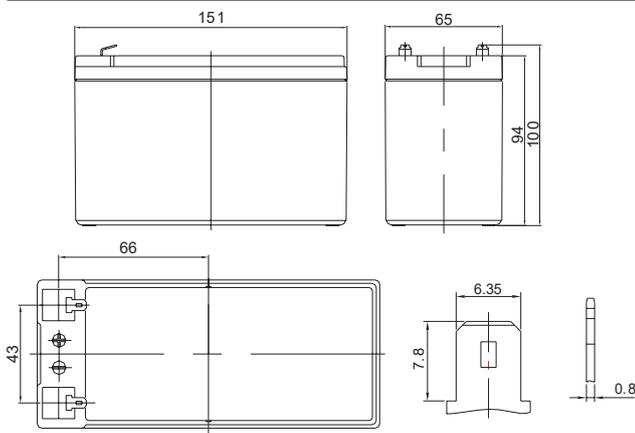


PCE PC12-70

12V/7Ah

- General purpose battery with 6-8 years design life
- IEC, JIS, BS, GB/T and YD/T standards
- Advanced AGM valve regulated technology
- High purity raw material
- High consistency for better performance and reliable standby service life
- Suitable for UPS/EPS, medical equipment, emergency light and security system applications

LAYOUT



Length: 151 ± 1.5mm **Width:** 65 ± 1.5mm **Height:** 94 ± 1.5mm
Total Height: 100 ± 1.5mm

SPECIFICATIONS

Model	PC-12-70
Rated Voltage	12V
Nominal Capacity	7Ah@20hour-rate to 1.75V per cell @25°C
Short Circuit Current	350A
Max. Discharging Current	70A (5 sec)
Max. Charging Current	2.1A
Self Discharge	≤3% per month at 25°C
Operating Temp. Range	
Discharge	-20°C - 60°C
Charge	0°C - 50°C
Storage	-20° - 60°C
Cycle Use Voltage	14.6 V - 14.8 V at 25°C Temp. Comp. -4mV/cell/°C
Internal Resistance (25°C)	≤32 mΩ
Nominal Operating Temp. Range	25 °C± 5°C
Approx. Weight	Approx. 1.95 Kg (Tolerance ± 5.0%)
Terminal	Default F2, F1 Optional
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



TECHNICALS

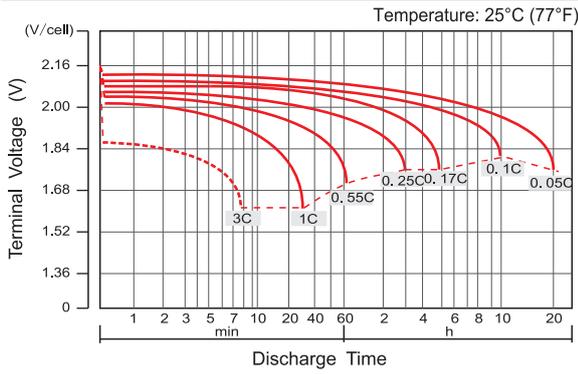
Constant Current Discharge Characteristics: A (25°C)												
F.V./Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60 V	26.56	18.77	13.57	7.793	4.277	2.626	1.974	1.594	1.320	0.850	0.690	0.364
1.65 V	24.70	17.74	12.97	7.482	4.130	2.542	1.913	1.551	1.286	0.840	0.682	0.359
1.70 V	22.28	16.33	12.15	7.151	3.996	2.458	1.861	1.508	1.253	0.827	0.672	0.354
1.75 V	19.96	14.95	11.31	6.835	3.385	2.372	1.806	1.470	1.221	0.816	0.663	0.350
1.80 V	17.53	13.53	10.44	6.533	3.703	2.288	1.750	1.428	1.190	0.802	0.654	0.347
1.85 V	13.91	11.06	8.663	5.627	3.321	2.096	1.618	1.327	1.109	0.753	0.616	0.329

Constant Current Discharge Characteristics: W/Cell (25°C)												
F.V./Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60 V	44.03	31.91	23.72	14.15	8.037	4.977	3.770	3.060	2.545	1.660	1.357	0.718
1.65 V	41.42	30.73	23.01	13.73	7.806	4.841	3.669	2.988	2.489	1.645	1.342	0.707
1.70 V	38.22	28.81	21.88	13.26	7.599	4.708	3.585	2.918	2.432	1.623	1.324	0.700
1.75 V	35.00	26.85	20.65	12.80	7.366	4.564	3.493	2.854	2.379	1.604	1.308	0.692
1.80 V	31.39	24.73	19.34	12.36	7.125	4.423	3.398	2.782	2.326	1.580	1.293	0.686
1.85 V	25.44	20.57	16.28	10.75	6.430	4.075	3.156	2.595	2.176	1.487	1.219	0.652

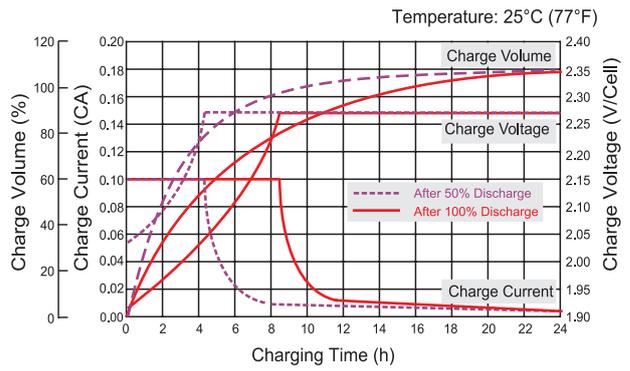
* Product specifications are subject to change without prior notice.

CHARACTERISTICS

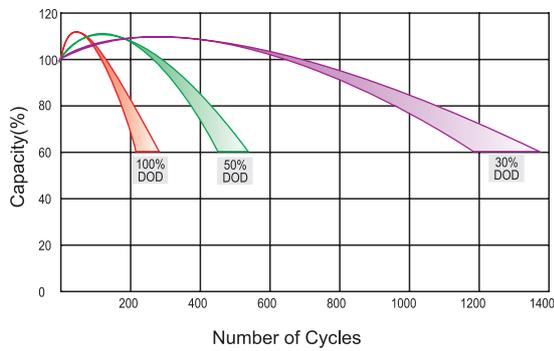
Discharge Characteristics Curve



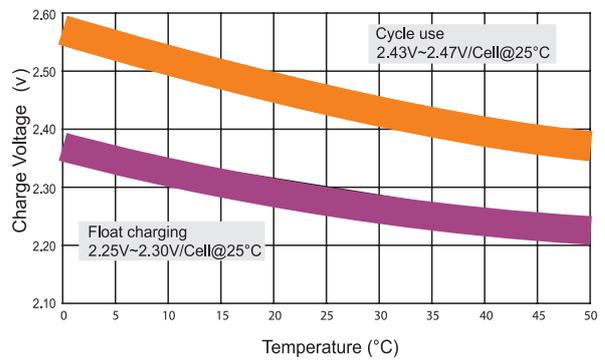
Charge Characteristic Curve For Standby Use(IU)



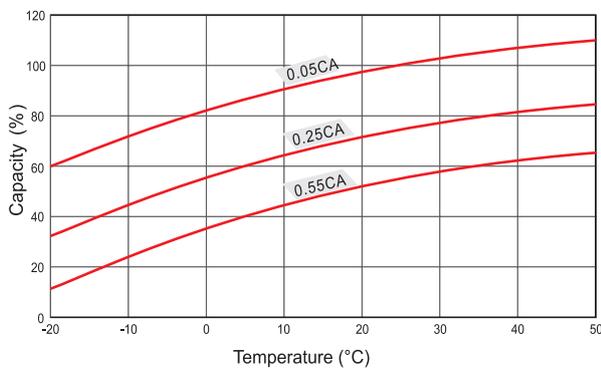
Cycle Life In Relation To Depth of Discharge



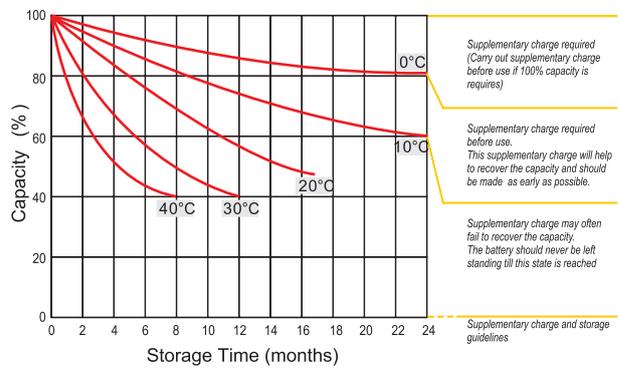
Relationship Between Charging Voltage and Temperature



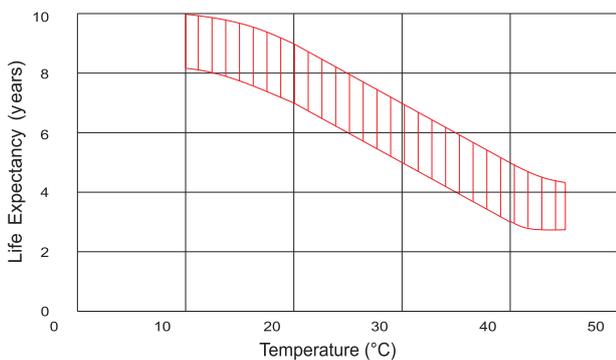
Temperature Effects On Capacity



Storage Characteristics



Effect Of Temperature on long term life



Life Characteristics Of Standby Use

