E PERTPOWER®

EXP1290 (12V 9Ah)

Specification

Cells Per Unit6Voltage Per Unit12Nominal Capacity9Ah@20hour-rate to 1.80V per cell @77°FWeightApprox. 5.07 lbs (Tolerance±3.0%)Internal ResistanceApprox. 22 m ΩTerminalF2Max. Discharge Current90A (5 sec)Short Circuit Current450ADesign Life6~8 years (Float charging)Max. Charging Current2.7 AReference CapacityC3 6.96AH C5 7.85AH C10 8.41AH C20 9.00AHStandby Use Voltage13.7V~13.9V @ 77°F Temperature Compensation: -3mV/°C/CellCycle Use Voltage14.6 V~14.8V @ 77°F Temperature Compensation: -4mV/°C/CellDischarge: -4°F~140°F Charge: :2°F~122°F Storage: -4°F~140°FDischarge: -4°F~140°F Charge: :2°F~122°F Storage: -4°F~140°FNormal Operating Temperature RangeZY Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 77°F, after which recharging is recommended. The monthly self-discharge ratio is less than 3% at 77°F. Please ensure that you charge the batteries before using them.							
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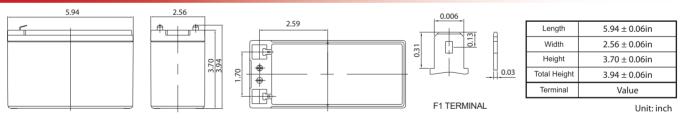
The EXP series is a general-purpose battery with a designed life of 6~8 years in float service. It meets the standards of IEC, JIS, BS, GB/T, and YD/T. With advanced AGM valve-regulated technology and high-purity raw materials, the EXP series battery maintains high consistency for better performance and reliable standby service life. It is suitable for UPS/EPS, medical equipment, emergency lighting, and security system applications.



FAU[®] **CE** MH 61046 G4M20206-0910-E-16

Container Material

Dimensions



A.B.S. UL94-HB, UL94-V0 Optional.

Constant Current Discharge Characteristics : A (77°F)												
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	75.88	53.63	38.77	22.27	12.22	7.503	5.640	4.553	3.773	2.428	1.972	1.041
1.65V	70.56	50.68	37.06	21.38	11.80	7.263	5.466	4.430	3.675	2.401	1.948	1.025
1.70V	63.67	46.65	34.71	20.43	11.42	7.024	5.317	4.310	3.579	2.364	1.919	1.012
1.75V	57.04	42.70	32.30	19.53	11.00	6.778	5.159	4.199	3.489	2.331	1.893	1.000
1.80V	50.09	38.66	29.83	18.67	10.58	6.536	4.999	4.079	3.399	2.291	1.869	0.990
1.85V	39.75	31.59	24.75	16.08	9.488	5.988	4.621	3.791	3.170	2.151	1.760	0.940

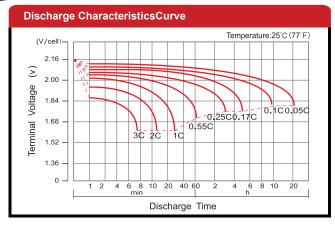
Constant Power Discharge Characteristics : WPC (77°F)												
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	125.8	91.16	67.77	40.44	22.96	14.22	10.77	8.742	7.272	4.742	3.877	2.050
1.65V	118.3	87.80	65.75	39.23	22.30	13.83	10.48	8.537	7.110	4.699	3.835	2.021
1.70V	109.2	82.32	62.51	37.88	21.71	13.45	10.24	8.336	6.949	4.637	3.782	1.999
1.75V	100.0	76.71	59.01	36.58	21.04	13.04	9.981	8.154	6.798	4.582	3.737	1.977
1.80V	89.68	70.65	55.26	35.31	20.36	12.64	9.710	7.948	6.646	4.514	3.694	1.960
1.85V	72.68	58.76	46.51	30.72	18.37	11.64	9.016	7.415	6.218	4.247	3.482	1.863

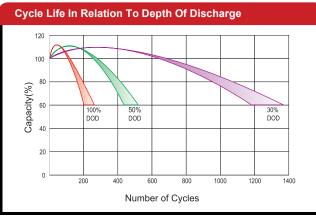
(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.

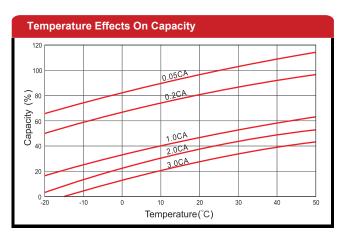
The battery must be fully charged before the capacity test. The C20 should reach 95% after the first cycle and 100% after the third cycle.

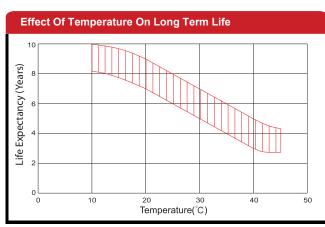


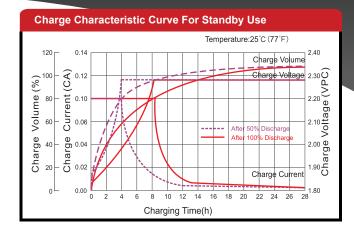
EXP1290 (12V 9Ah)



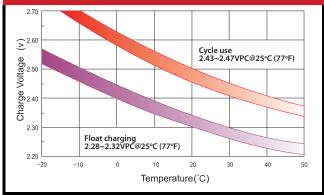


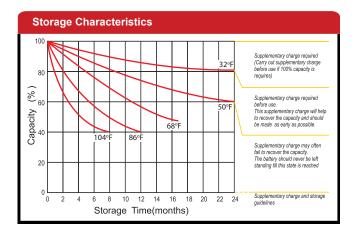




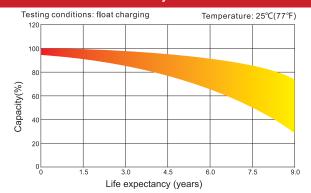


Relationship Between Charging Voltage And Temperature





Life Characteristics Of Standby Use



(Note) All above information shall be changed without prior notice, ExpertPower reserves the right to explain and update the latest infomation.