



XP Series-Battery

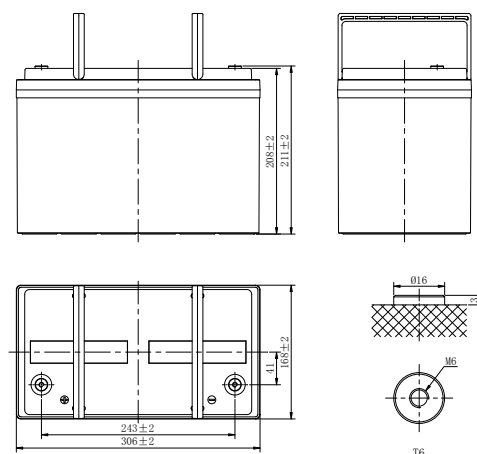
XP12-350 (12V-350W)

Specifications of XP12-350

Item		Specifications
Rated Voltage		12V
Nominal Rate (25°C)	$W_{15}, 1.67V/cell$	374W/cell
Nominal Capacity (25°C)	$C_{20}, 1.80V/cell$	95Ah
Dimension	Length	306mm (12.0inches)
	Width	168mm (6.61inches)
	Container Height	208mm (8.19inches)
	Total Height	211mm (8.31inches)
Approx Weight		30.0kg (66.0lbs)
Terminal		T6(M6)
Container Material		ABS (UL94 HB or V-0 optional)
Short-circuit current		2176.8A
Internal Resistance (25°C)		Approx 4 mΩ (Fully charged)
Operating Temp. Range	Discharge	-15~50°C (5~122°F)
	Charge	-20~40°C (-4~104°F)
	Storage	-15~40°C (5~104°F)
Nominal Operating Temp. Range		25±3°C (77±5°F)
Max.Charging Current (25°C)		0.25C
Charge voltage (25°C)	Standby Use	Equalization Use
	2.25-2.30V/cell	2.30-2.40V/cell
Temp. Coefficient	-3mV/cell/°C	-4mV/cell/°C
	40°C (104°F)	106%
Effect of temp. to Capacity	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge		≤3% per month at 25°C (77°F)



Layout



DISCHARGE TABLE

Constant Current Discharge (Amperes) at 25°C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	226.8	177.5	147.0	123.1	96.0	70.6	57.3	33.7	24.4	19.1	15.8	13.6	10.7	8.84	4.63
1.80V/cell	253.9	197.8	160.1	133.1	101.7	74.1	60.1	35.0	25.1	19.8	16.3	14.0	10.9	9.07	4.75
1.75V/cell	243.5	227.0	173.1	142.2	106.9	77.5	62.5	35.8	25.7	20.1	16.7	14.3	11.2	9.25	4.86
1.70V/cell	344.3	245.4	184.2	151.3	112.3	80.9	64.5	36.6	26.2	20.6	17.1	14.6	11.4	9.43	4.94
1.67V/cell	357.6	251.9	197.3	159.6	117.7	83.6	66.3	37.3	26.7	21.0	17.3	14.9	11.6	9.59	5.03
1.60V/cell	377.1	268.5	210.6	166.7	123.0	88.0	69.6	38.3	27.2	21.4	17.7	15.2	11.9	9.76	5.16

Constant Power Discharge (Watts/cell) at 25°C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	441.2	347.2	289.2	245.8	190.7	141.0	114.9	67.8	49.2	38.8	32.2	27.7	21.8	18.2	9.58
1.80V/cell	508.8	393.0	316.7	263.2	200.3	147.9	119.5	69.9	50.4	39.8	33.1	28.3	22.3	18.6	9.76
1.75V/cell	587.1	446.3	349.1	278.8	211.8	154.2	123.4	71.1	51.3	40.3	33.5	28.9	22.7	18.8	9.93
1.70V/cell	642.0	466.5	369.5	293.6	222.0	160.4	126.2	72.1	52.0	41.1	34.1	29.2	23.0	19.1	10.0
1.67V/cell	669.4	477.3	374.0	307.6	226.1	162.0	129.1	73.1	52.7	41.6	34.4	29.6	23.3	19.3	10.2
1.60V/cell	706.8	500.0	395.0	318.4	234.1	168.6	134.2	74.5	53.2	42.0	34.9	29.9	23.6	19.4	10.3



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XP12-350 (12V-350W)

Applications

- UPS
- Hospitals and Testing Laboratories
- Emergency Power Supply
- Electric starting
- Telecommunications
- Data Centers

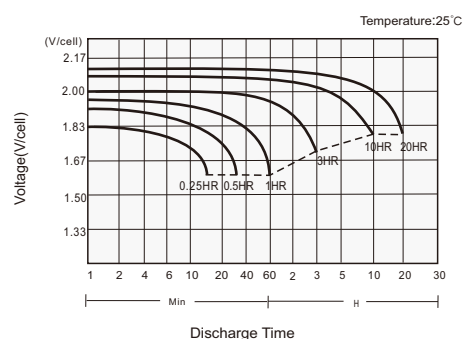
General Features

- 12 years design life (25°C)
- Excellent high current performance - optimised for short discharge time
- Advanced AGM technology for superior high-rate power
- Long Life Alloy - minimizing grid growth, reducing gassing and extending battery life
- Epoxy-sealed posts eliminate leaks
- Optimal energy density - saves floor space

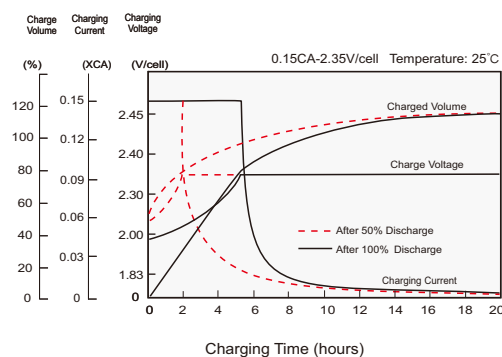
Standards

- Compliance with IEC 60896 standards
- Classified as "Long Life" according to Eurobat
- CE, UL Approved
- Manufactured in Leoch@IATF 16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

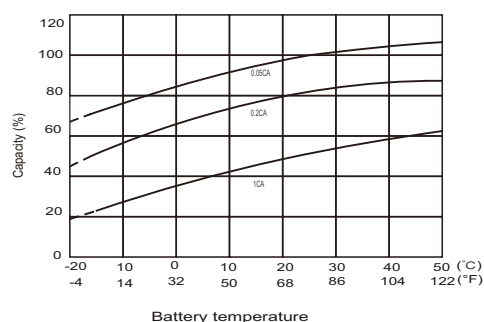
Discharge Characteristics



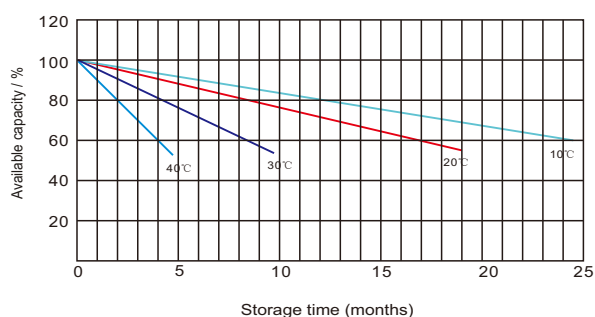
Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics



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