



genesis[™]
XE
PURELEAD

RANGE SUMMARY

The Genesis[™] XE thin plate pure lead battery excels in demanding environmental and cycling applications such as:

- Alternative energy applications such as solar and wind power
- Hybrid electric vehicles (HEV)

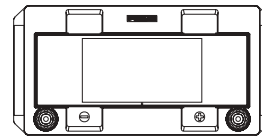
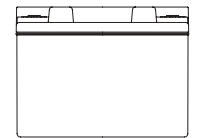
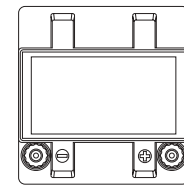
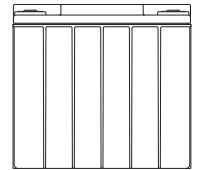
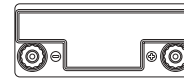
Specifications

Battery Design

- 12V pure lead-tin VRLA AGM battery
- UL94 V-0 flame retardant case and cover
- M6 female no-maintenance terminals
- Can be installed in any orientation except inverted
- Rugged construction (optional metal jacket)
- Approved for shipping as non-hazardous, nonspillable

Performance Features

- -40°C to 80°C (-40°F to 176°F) with metal jacket
- 300+ full depth of discharge cycles
- High rate charge and discharge
- 2 year shelf life at 25°C (77°F)
- Superior deep discharge recovery
- UL listing - file No. MH12544
UL listing pending - XE60 and XE95



General Specifications

Type	Nominal Voltage (V)	Nominal Capacity (Ah) 10 hr rate to 1.67Vpc @ 25°C/77°F	Nominal Dimensions						Overall Weight		Torque		Internal Resistance (mΩ)	Typical Short Circuit Current (A)
			Length mm	Length in	Width mm	Width in	Height mm	Height in	kg	lbs	in-lbs	Nm		
XE13	12	13	175.5	6.91	83.3	3.28	129.8	5.11	5.4	11.9	50	5.6	9.0	1400
XE16	12	16	181.6	7.15	76.2	3.00	167.9	6.61	6.4	14.1	50	5.6	7.5	1600
XE30	12	28	166.6	6.56	175.8	6.92	126.0	4.96	10.2	23.3	60	6.8	5.0	2400
XE40	12	42	197.1	7.76	165.9	6.53	170.7	6.72	16.1	35.4	60	6.8	4.5	2600
XE60	12	62	275.6	10.85	177.5	6.99	198.6	7.82	24.0	53.0	60	6.8	2.5	3100
XE70	12	68	330.7	13.02	168.1	6.62	176.0	6.93	25.7	56.6	60	6.8	3.5	3500
XE95	12	95	330.2	13.00	172.7	6.80	239.0	9.41	34.1	75.0	150	16.9	2.2	5000

Constant Current Discharge Performance

Constant current discharge rate, amps to 10.02V at 25°C (77°F)

Battery	Minutes				Hours					
	5	10	15	30	1	5	8	10	20	
XE13	68.8	42.4	31.4	18.2	10.2	2.5	1.6	1.3	0.7	
XE16	81.4	51.4	38.4	22.4	12.6	3.0	2.0	1.6	0.9	
XE30	131.4	84.4	63.5	37.6	21.5	5.2	3.4	2.9	1.5	
XE40	196.3	125.6	94.3	55.7	31.6	7.7	5.0	4.2	2.2	
XE60	304.4	193.6	144.4	84.2	47.2	11.4	7.5	6.2	3.4	
XE70	334.1	215.1	169.0	95.8	54.3	12.9	8.3	6.8	3.5	
XE95	449.5	290.7	219.5	129.5	73.5	17.8	11.7	9.6	5.2	

Constant Power Discharge Performance

Constant power discharge rate, watts per battery to 10.02V at 25°C (77°F)

Battery	Minutes				Hours					
	5	10	15	30	1	5	8	10	20	
XE13	760.2	478.7	357.5	210.1	119.3	29.1	18.9	15.4	8.1	
XE16	879.7	569.9	430.5	256.2	146.3	35.7	23.3	19.0	10.1	
XE30	1447.7	951.4	723.5	435.0	250.6	62.5	41.1	33.6	18.2	
XE40	2168.7	1420.6	1078.2	645.6	370.3	91.4	60.0	49.0	26.3	
XE60	3337.2	2175.0	1644.0	976.2	556.2	136.8	90.0	73.8	40.2	
XE70	3663.5	2422.4	1845.3	1107.9	633.9	152.0	98.1	79.5	41.4	
XE95	4883.4	3241.8	2481.6	1494.0	861.6	212.4	139.8	114.0	61.2	

Charge Voltage

Cyclic use: 14.7V to 15.0V at 25°C (77°F) No current limit

Float use: 13.5V to 13.8V at 25°C (77°F) No current limit



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