

genesis XE

PURELEAD

RANGE SUMMARY

The Genesis XE thin plate pure lead battery is an extremely versatile battery, excelling in both standby (emergency) power and cycling applications. This versatility makes the Genesis XE battery an ideal choice for demanding environments such as;

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

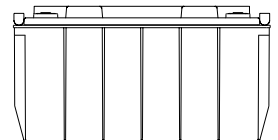
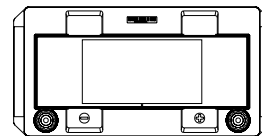
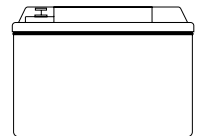
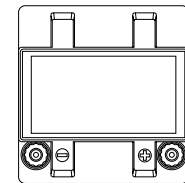
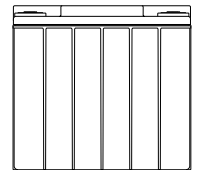
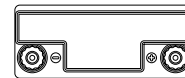
Specifications

Battery Design

- 12V pure lead-tin VRLA AGM battery
- UL 94V0 flame retardant case and cover
- M6 female no-maintenance terminals
- Can be installed in any orientation
- Rugged construction (metal jacket)
- Optional integral chimney for external venting
- Approved for shipping as non-hazardous, nonspillable

Performance Features

- 12+ years float life at 25°C (77°F)
- -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



General Specifications

		Nominal Capacity (Ah)	Nominal Dimensions											
Type	Nominal Voltage (V)	10 hr rate to 1.67Vpc @ 25°C/77°F	Length		Width		Height		Overall Weight		Torque		Internal Resistance (mΩ)	Typical Short Circuit Current (A)
			mm	in	mm	in	mm	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
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

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
XE70	334.1	215.1	169.0	95.8	54.3	12.9	8.3	6.8	3.5

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
XE70	3663.5	2422.4	1845.3	1107.9	633.9	152.0	98.1	79.5	41.4

Charge Voltage

Cyclic use: 14.1V to 14.7V at 25°C (77°F) No current limit

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



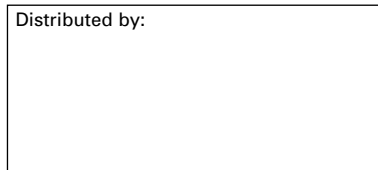
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