



genesis
XE
PURELEAD

**BATTERY RANGE
SUMMARY**

The Genesis® XE Thin Plate Pure Lead (TPPL) battery excels in demanding environmental and cycling applications such as:

- Short duration UPS, 10 seconds – 5 minutes

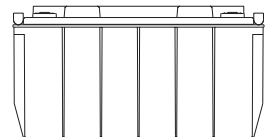
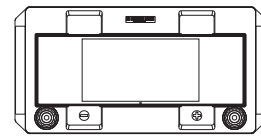
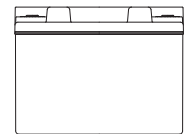
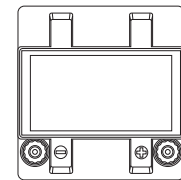
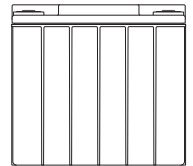
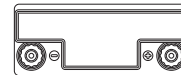
Specifications

Battery Design

- 12V pure lead VRLA AGM battery
- UL94 V-0 flame retardant case and cover
- M6 female no-maintenance terminals, 3/8-16 female terminals for XE95
- Can be installed in any orientation except inverted
- 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 recognized - file No. MH12544



General Specifications

Genesis® XE Battery 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		Width		Height		kg	lbs	in-lbs	Nm		
XE13	12	13	175.0	6.89	83.1	3.27	129.0	5.08	5.4	11.9	50	5.6	9.0	1400
XE16	12	16	180.8	7.12	75.9	2.99	166.9	6.57	6.4	14.1	50	5.6	7.5	1600
XE30	12	28	165.9	6.53	175.0	6.89	125.0	4.92	10.2	23.3	60	6.8	5.0	2400
XE40	12	42	196.6	7.74	165.1	6.50	169.9	6.69	16.1	35.4	60	6.8	4.5	2600
XE60	12	62	275.6	10.85	171.7	6.76	180.8	7.12	22.4	49.4	60	6.8	2.5	3100
XE70	12	68	328.7	12.94	166.1	6.54	174.0	6.85	25.7	56.6	60	6.8	3.5	3500
XE95	12	95	329.9	12.99	172.5	6.79	218.9	8.62	35.1	77.4	60	6.8	2.2	5000

Constant Power Discharge Performance

Constant power discharge rate – KW/Cell to 1.67VPC at 25°C (77°F)

Genesis® XE Battery Type	Seconds					Minutes					
	10	15	20	30	45	1	1.5	2	3	4	5
XE13	0.287	0.279	0.269	0.253	0.234	0.218	0.193	0.172	0.141	0.120	0.105
XE16	0.351	0.341	0.332	0.315	0.295	0.278	0.249	0.225	0.187	0.161	0.140
XE30	0.546	0.533	0.520	0.496	0.468	0.444	0.398	0.361	0.303	0.260	0.227
XE40	0.836	0.827	0.811	0.781	0.739	0.700	0.633	0.578	0.493	0.429	0.379
XE60	1.202	1.185	1.165	1.123	1.069	1.019	0.928	0.852	0.728	0.630	0.553
XE70	1.188	1.167	1.147	1.110	1.060	1.014	0.935	0.866	0.753	0.664	0.591
XE95	1.484	1.472	1.451	1.412	1.360	1.312	1.226	1.147	1.014	0.908	0.819

Constant Power Discharge Performance

Constant power discharge rate – 480V Nominal System KWB to 400V at 25°C (77°F)

Genesis® XE Battery Type	Seconds					Minutes					
	10	15	20	30	45	1	1.5	2	3	4	5
XE13	69	67	65	61	56	52	46	41	34	29	25
XE16	84	82	80	76	71	67	60	54	45	39	34
XE30	131	128	125	119	112	107	95	87	73	62	54
XE40	201	198	195	187	177	168	152	139	118	103	91
XE60	288	284	280	270	257	245	223	204	175	151	133
XE70	285	280	275	266	254	243	224	208	181	159	142
XE95	356	353	348	339	326	315	294	275	243	218	197

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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