

The Genesis EP thin plate pure lead battery excels in demanding environmental and cycling applications such as:

- Electronics
- Medical Equipment
- Telecommunications
- Lawn & Garden Equipment
- Computer Backup
- UPS

**genesis**<sup>TM</sup>  
EP

PURELEAD

RANGE SUMMARY

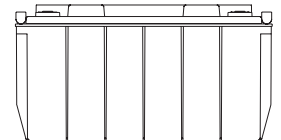
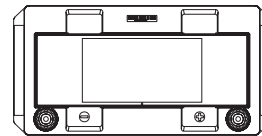
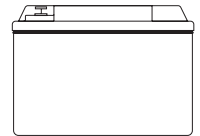
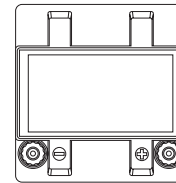
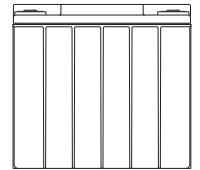
### Specifications

#### Battery Design

- 12V pure lead-tin VRLA AGM battery
- UL 94V0 flame retardant case and cover optional
- 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



**EnerSys**<sup>TM</sup>  
Power/Full Solutions

## General Specifications

Type	Nominal Voltage (V)	Nominal Capacity (Ah)	Nominal Dimensions						Overall Weight		Torque		Internal Resistance (mΩ)	Typical Short Circuit Current (A)
		10 hr rate to 1.67Vpc @ 25°C/77°F	Length mm	Length in	Width mm	Width in	Height mm	Height in	kg	lbs	in-lbs	Nm		
G13EP	12	13	175.5	6.91	83.3	3.28	129.8	5.11	4.9	10.8	50	5.6	8.5	1400
G16EP	12	16	181.6	7.15	76.2	3.00	167.9	6.61	6.1	13.5	50	5.6	7.5	1600
G26EP	12	26	166.9	6.57	175.8	6.92	126.0	4.96	10.1	22.3	60	6.8	5.0	2400
G42EP	12	42	197.4	7.77	165.9	6.53	170.7	6.72	14.9	32.9	60	6.8	4.5	2600
G70EP	12	71	330.7	13.02	168.1	6.62	176.0	6.93	24.3	53.5	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
G13EP	70.8	43.6	32.2	18.6	10.4	2.5	1.6	1.3	0.7
G16EP	90.0	54.8	40.1	23.0	12.7	3.0	2.0	1.6	0.8
G26EP	143.4	90.7	67.4	39.0	21.7	5.0	3.2	2.6	1.4
G42EP	212.0	138.4	104.1	60.8	33.8	7.9	5.1	4.2	2.3
G70EP	342.4	228.5	173.4	102.5	57.4	13.4	8.7	7.1	3.9

## 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
G13EP	758.4	481.8	361.2	231.6	121.2	29.4	19.2	15.6	8.4
G16EP	975.6	609.6	453.6	264.6	190.2	36.0	23.4	19.2	10.2
G26EP	1532.0	995.0	751.0	444.0	251.0	59.0	38.0	31.0	16.0
G42EP	2291.0	1540.0	1173.0	698.0	394.0	94.0	62.0	51.0	28.0
G70EP	3680.0	2519.0	1940.0	1173.0	678.0	161.0	105.0	86.0	47.0

## 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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