



MK Battery

MK Battery

VRLA- Gel

The MK Battery series of valve-regulated, gelled-electrolyte batteries is designed to offer reliable, maintenance-free power for renewable energy applications where frequent deep cycles are required and minimum maintenance is desirable. The sealed construction eliminates periodic watering, corrosive acid fumes and spills. The electrolyte will not stratify so no equalization charging is required. Less than 2% per month standing loss means little deterioration during transport and storage.

They are ideal for small to medium sized PV systems and are rated non-spillable by ICAO, IATA and DOT. These batteries feature polypropylene containers with handles and self sealing vents. They are constructed with lead-calcium plate alloy within sulfuric acid thixotropic gel. Batteries do not include terminal bolts-all use 5/16"-18 x 1" (except for 8GU1 = 1/4"-20 x 1") sold separately. Five-year limited warranty – free replacement on the first two years and pro-rated on the last three years of the warranty.

VRLA-Gel

Expected life cycles versus depth of discharge (DOD) @ 2-hour rate/25°C:

- 6000 @ 10% DOD
- 2500 @ 25% DOD
- 1100 @ 50% DOD

VRLA-AGM

Expected life cycles versus depth of discharge (DOD) @ 3-hour rate/25°C:

- 920 @ 30% DOD
- 410 @ 50% DOD
- 200 @ 80% DOD

Model	Vdc	A/h Capacity @ 100 Hr. Rate	Bolt Size	Dimensions L x W x H	Weight (lbs)	MSRP
8GUI	12	36	1/4	7.75 x 5.13 x 7.25	24	\$105.00
8G22NF	12	58	11/32	9.40 x 5.50 x 9.25	39	\$166.00
8G24	12	84	5/16 stud	10.88 x 6.75 x 9.88	54	\$216.00
8G27	12	99	5/16 stud	12.75 x 6.75 x 9.88	64	\$245.00
8G31	12	108	3/8"	12.90 x 6.75 x 9.40	74	\$280.00
8G4D	12	210	3/8	20.75 x 8.50 x 10.00	131	\$532.00
8G8D	12	265	3/8	20.75 x 11.0 x 10.00	161	\$638.00
8GGC2	6	198	11/32	10.25 x 7.13 x 10.88	68	\$290.00

VRLA-AGM

Sealed, maintenance-free, valve-regulated type AGM batteries are available in smaller size capacity ratings, perfect for use with solar applications for powering lighter loads such as telemetry, SCADA, remote monitoring, UPS systems, LED and emergency lighting. Capacity discharge ratings are at the 20-hour rate- 20°C at -4°F to 122°F. Charge termination voltage-cyclic use = 14.40 Vdc, float 13.80Vdc. Rated Non-Spillable-DOT. Two-year limited warranty.

Model	Vdc	A/h Capacity @ 20 Hr. Rate	Terminal Size in.	Dimensions in. L x W x H	Weight lb.	MSRP
ES 712	12	7	0.187 tab	5.95 x 2.56 x 3.70	5.5	\$21.00
ES1212	12	12	0.250 tab	5.95 x 3.86 x 3.70	9	\$33.00
ES1712	12	17	0.50 flag	7.13 x 2.99 x 6.58	13.5	\$44.00



VRLA-AGM MK Battery