



AGM Gel LPGS series

-15°C – +50°C

TEMPERATURE RANGE

up to 6 months at 25°C

SHELF LIFE

1-3 Years*

WARRANTY

600 cycles*

NUMBER OF CYCLES AT 50% DOD

* depending on the application and the actual model



Leoch Gel batteries, LPGS series, are Hybrid Gel Valve-Regulated Lead-Acid batteries that have been optimized for renewable applications. Engineered using hybrid gel technology with proper SiO₂ infusion technology (Gelled electrolyte) and AGM separator, LPGS batteries offer a balanced performance between GEL and AGM technologies, as well as increased durability for cyclic applications.

GENERAL FEATURES



DEPTH OF DISCHARGE

Increased cyclic performance offering more than 600 cycles at 50%DoD



LONG SERVICE LIFE

Thick plates using a special pasting formula ensures long service life



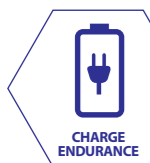
HYBRID GEL TECHNOLOGY

Hybrid Gel Technology using AGM Separator and SiO₂ infusion for increased durability



SAFETY

Unique anti-explosion one-way vent valve design to minimize water loss & increase safety



CHARGE ENDURANCE

Enhanced over-charge and over-discharge endurance



ABS CASE

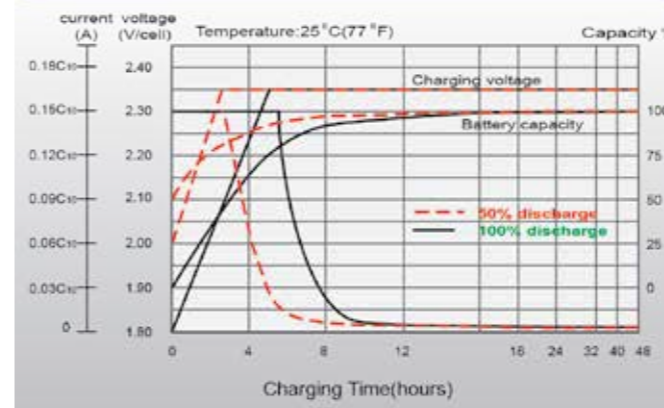
ABS case UL94-HB (UL94-V0 optional) is used for increased container strength

BATTERY SPECIFICATIONS

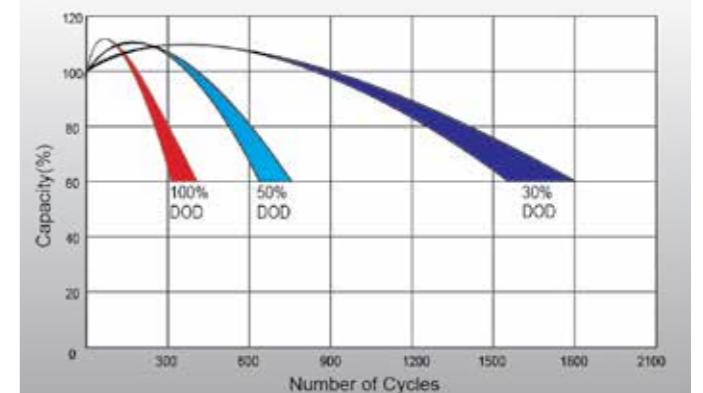
Model	Nominal Voltage (V)	Rated Capacity 20Hr @ 1.80V/cell (AH)	Rated Capacity 10Hr @ 1.80V/cell (AH)	Approx. Dimensions								Approx. Weight		Terminal Type
				Length		Width		Height		Total Height		kg	lbs	
				mm	in.	mm	in.	mm	in.	mm	in.			
LPGS12-88	12	88	80	306.00	12.05	168.00	6.61	208.00	8.19	214.00	8.43	26.80	59.08	M6
LPGS12-110	12	110	100	330.00	12.99	173.00	6.81	212.00	8.35	220.00	8.66	31.50	69.44	M8
LPGS12-132	12	132	120	408.00	16.06	177.00	6.97	225.00	8.86	225.00	8.86	38.00	83.77	M8
LPGS12-154	12	154	140	483.00	19.02	170.00	6.69	238.50	9.39	238.50	9.39	44.90	98.99	M8
LPGS12-190	12	190	173	532.00	20.94	207.00	8.15	214.00	8.43	220.00	8.66	58.00	127.87	M8
LPGS12-200	12	200	182	522.00	20.55	240.00	9.45	218.00	8.58	224.00	8.82	60.90	134.26	M8
LPGS12-210	12	210	191	522.00	20.55	240.00	9.45	218.00	8.58	224.00	8.82	62.50	137.79	M8
LPGS12-230	12	230	209	522.00	20.55	268.00	10.55	220.00	8.66	226.00	8.90	73.60	162.26	M8
LPGS12-250	12	250	228	522.00	20.55	268.00	10.55	220.00	8.66	226.00	8.90	75.50	166.45	M8

PERFORMANCE CHARACTERISTICS

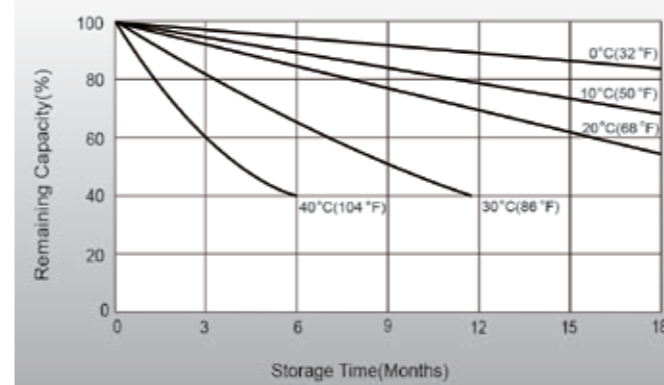
Charging Characteristics



Cycle Life in relation to Depth of Discharge



Self Discharge Characteristics



Temperature Effect in Relation to Battery Capacity

