

Deka[®]

SOLAR

PHOTOVOLTAIC BATTERIES

8G27-DEKA

- Designed to provide reliable, long lasting back-up power for Photovoltaic (PV) and renewable energy applications where frequent deep cycles are required and minimum maintenance is desirable
- Reinforced case resists bulging and meets safety requirements
- Genuine Gel Technology
- Case & cover heat sealed and 100% tested to prevent leaks
- Computer-aided design and manufacturing control processes and standards to ensure quality products
- Applications: Water Pumping, Residential / Small Village, Cathodic Protection, Remote Monitoring, Lighting, Wind Generation, & Railway Signal.



SPECIFICATIONS

Nominal Voltage: 12-Volt
Rating: 88.0 Ampere-Hours @ 20 hr rate to 1.75 VPC
Positive Plate: Pure Lead, Calcium Alloy
Negative Plate: Pure Lead, Calcium Alloy
Container: Polypropylene
Safety Vent: Low positive pressure, self-sealing

PHOTOVOLTAIC CHARGING PARAMETERS

Bulk Charge	Max. Current (AMPS)	30% of 20HR Rate
Absorption (Regulation) Charge	Constant Voltage	2.35 – 2.40 V.P.C.
Float Charge	Constant Voltage	2.24 – 2.26 V.P.C.
Equalize Charge	Constant Voltage	2.40 – 2.43 V.P.C.
Temperature Coefficient	0.003 V / °C	

BATTERY PART NUMBER	PERFORMANCE (AH) ¹ TO 1.75 VPC		SHORT CIRCUIT CURRENT	TERMINAL TORQUE MAX. IN/LB (NM)	APPROXIMATE WEIGHT		BATTERY DIMENSIONS					
	20 HR	100 HR			LB	KG	LENGTH		WIDTH		HEIGHT ²	
							IN	MM	IN	MM	IN	MM
12-VOLT SOLAR VRLA (Gel) MONOBLOC												
8G27-HFL-DEKA	88.0	99.0	2312	40 (4.5)	62.0	28.0	12.83	326	6.56	167	9.33	237
8G27-HUT-DEKA				50 (5.7)			12.83	326	6.56	167	9.24	235

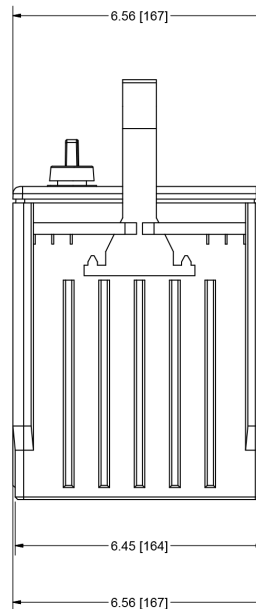
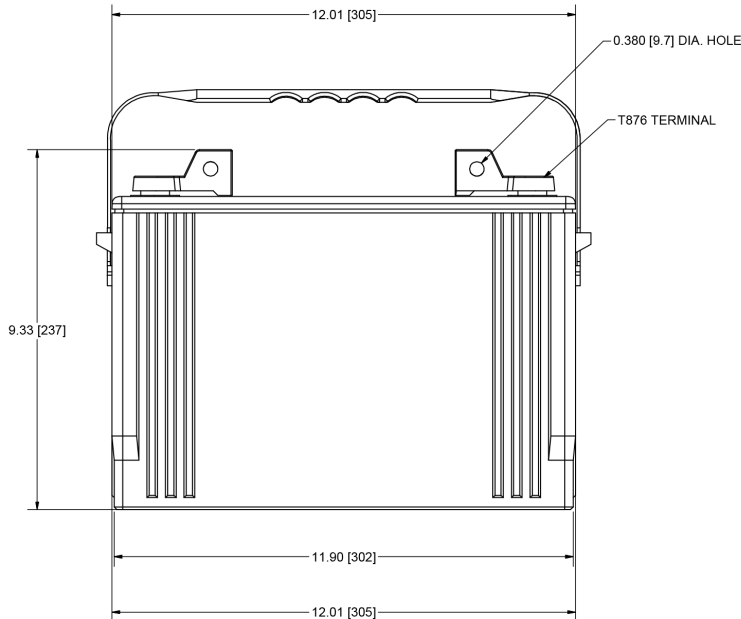
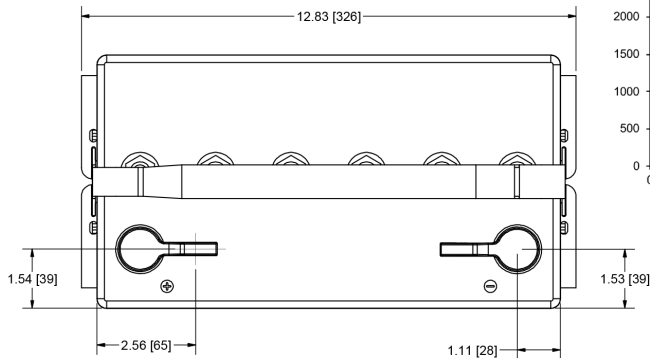
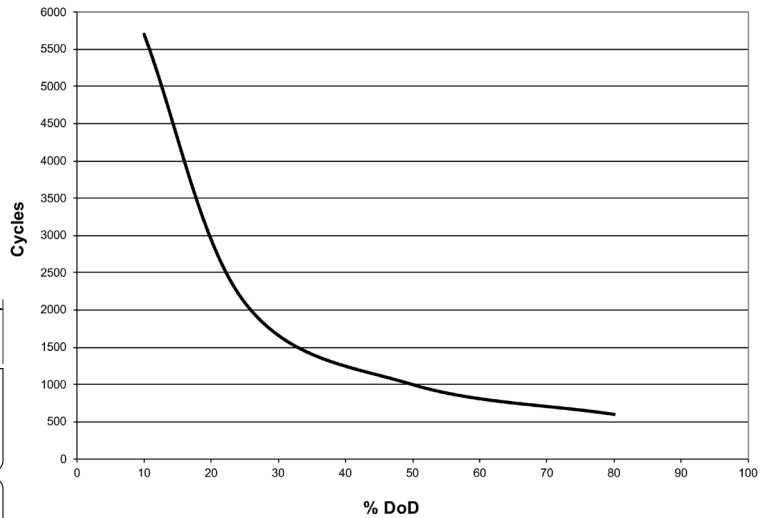
1 – Ratings after 15 Cycles
 2 – Height to top of terminal

Terminal Options:

8G27-HFL-DEKA	8G27-HUT-DEKA



**GEL CYCLE LIFE VS. DEPTH OF DISCHARGE AT
25°C (77°F) BASED ON BCI-2HOUR CAPACITY**



PROPOSITION 65 WARNING: Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. Batteries also contain other chemicals known to the State of California to cause cancer. **WASH HANDS AFTER HANDLING.**



East Penn Manufacturing Co. Subsidiary

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