

Deka[®]

SOLAR

PHOTOVOLTAIC BATTERIES

8G8D-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: 225 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)	FOOT- NOTE	APPROX. WEIGHT		BATTERY DIMENSIONS							
	20 HR	100 HR				LB	KG	LENGTH		WIDTH		HEIGHT			
												TERMINAL		OVERALL	
								IN	MM	IN	MM	IN	MM	IN	MM
12-VOLT SOLAR VRLA (Gel) MONOBLOC															
8G8D-HLT-DEKA	225.0	265.0	5915	50 (5.7)	2, 3	157	71.0	20.44	519	10.97	279	11.25	286	11.25	286
8G8D-HAP-DEKA				50 (5.7)	2, 3			20.44	519	10.97	279	9.98	253	9.98	253
8G8D-HEI-DEKA				100 (11.3)	4			20.44	519	10.97	279	9.00	229	9.33	237

1 - Ratings after 15 cycles

2 - "Non-Spillable" as defined by DOT (Dept. of Transportation)

3 - "Non-Spillable" as defined by ICAO (International Commercial Airline Organization) and IATA (International Airline Transportation Association)

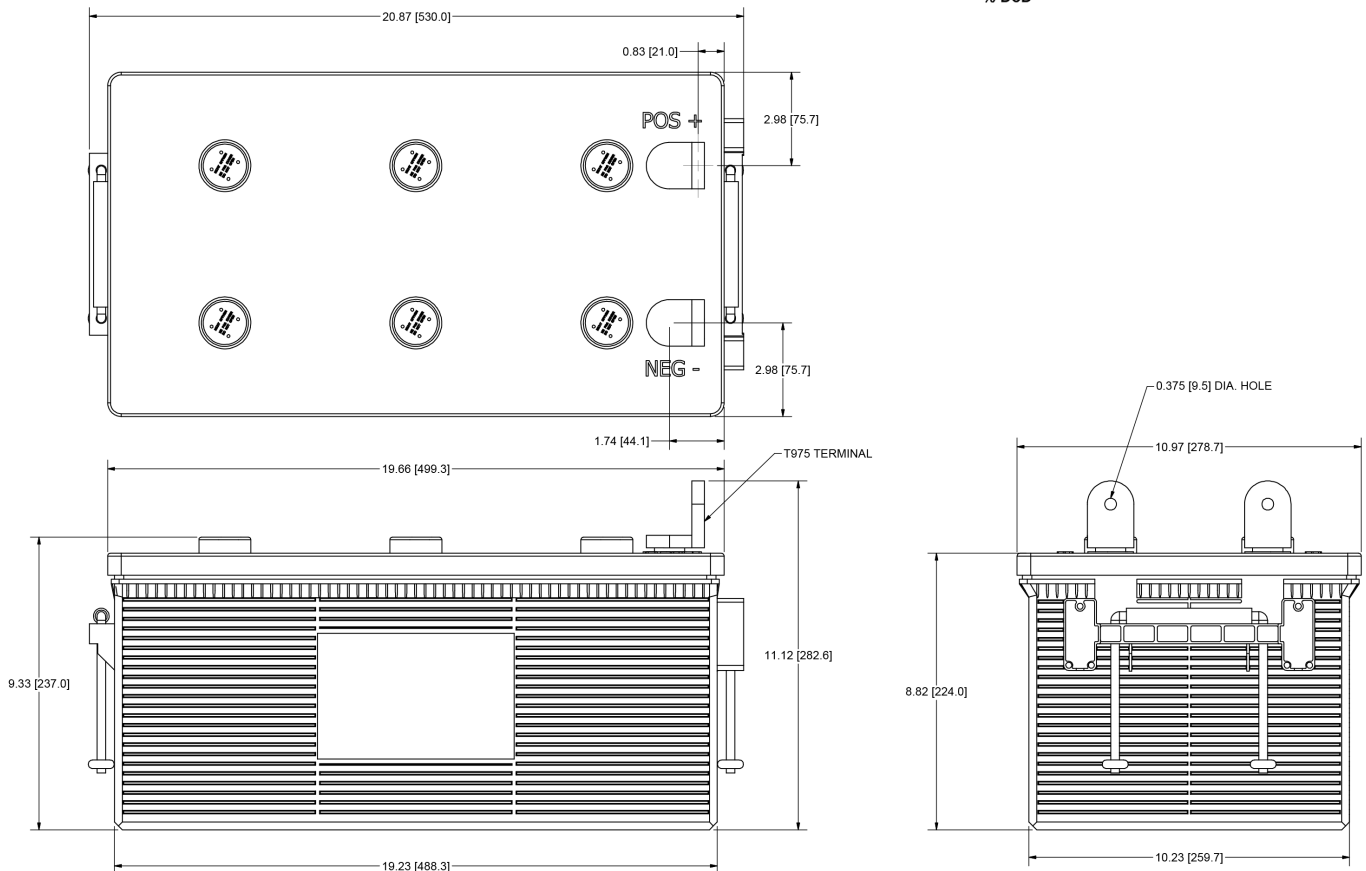
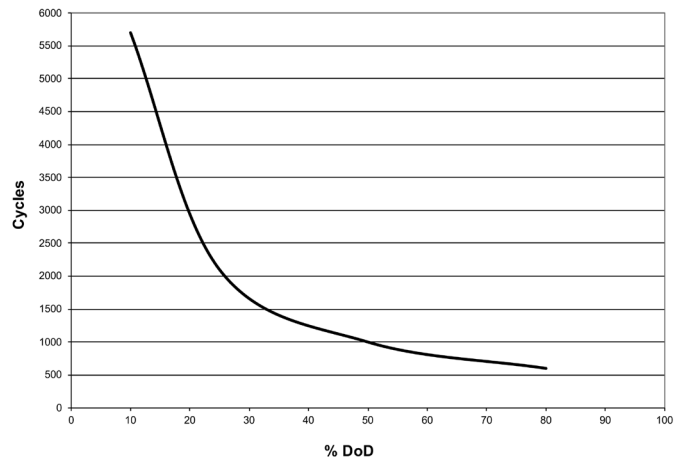
4 - UN2794 "Wet Filled with Acid" as defined by DOT (Dept. of Transportation)

Terminal Options:

8G8D-HLT-DEKA	8G8D-HAP-DEKA	8G8D-HEI-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.**



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