

Deka[®]

SOLAR

PHOTOVOLTAIC BATTERIES

8G5SHP-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: 115 Ampere-Hours @ 20 hr rate to 1.75 V.P.C.
Positive Plate: Pure Lead, Calcium Alloy
Negative Plate: Pure Lead, Calcium Alloy
Container: Polypropylene
Safety Vent: Low positive pressure, self-sealing

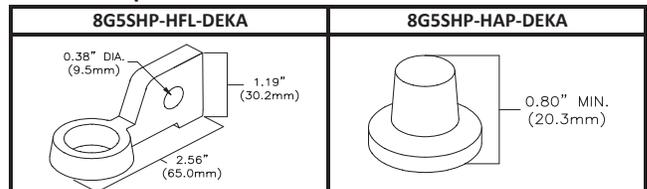
PHOTOVOLTAIC CHARGING PARAMETERS

Charge Type	Max. Current (AMPS)	Voltage Range
Bulk Charge	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	

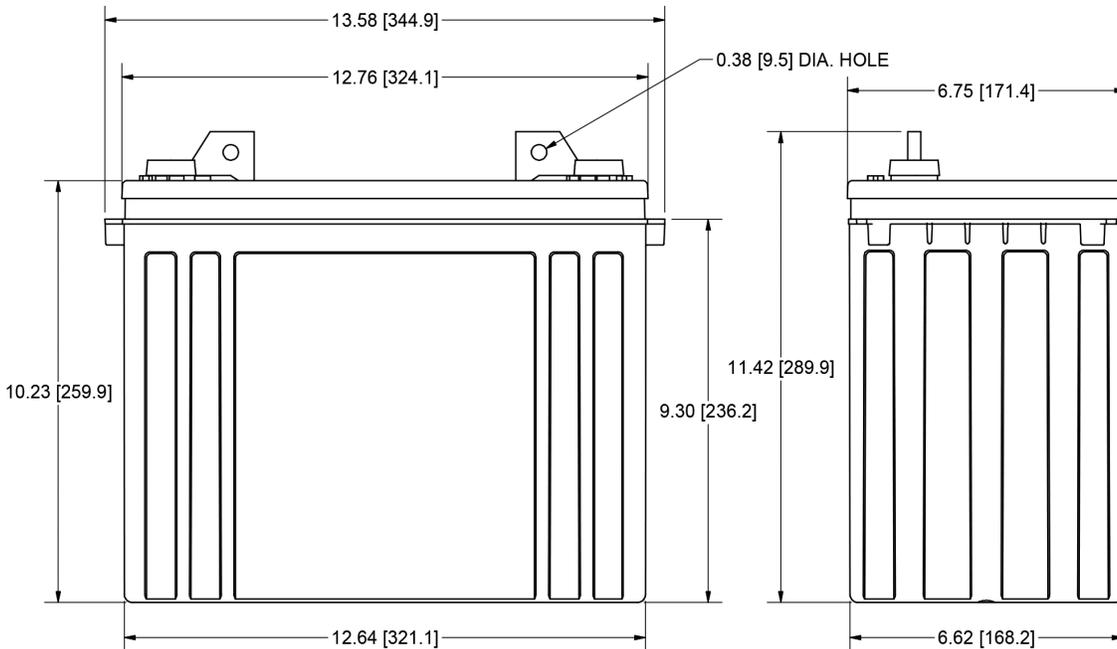
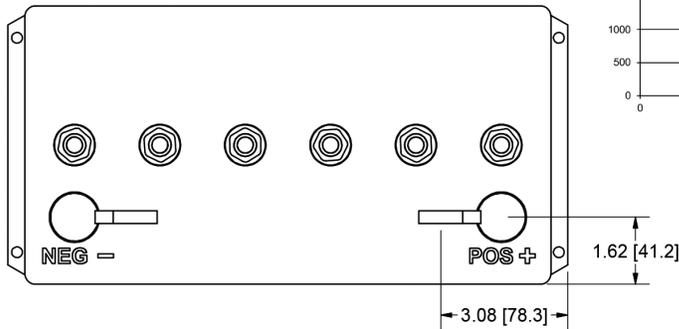
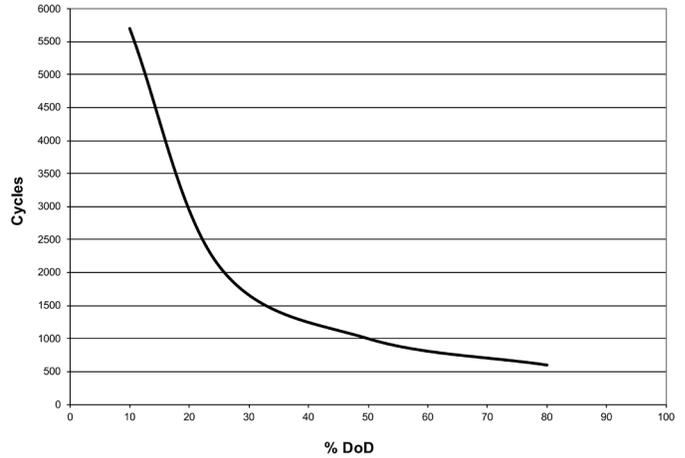
BATTERY PART NUMBER	PERFORMANCE (AH) ¹ TO 1.75 V.P.C.		SHORT CIRCUIT CURRENT	TERMINAL TORQUE MAX. IN/LB (NM)	APPROXIMATE WEIGHT		BATTERY DIMENSIONS					
	20 HR	100 HR			LB	KG	LENGTH		WIDTH		HEIGHT ²	
	IN	MM					IN	MM	IN	MM		
12-VOLT SOLAR VRLA (Gel) MONOBLOC												
8G5SHP-HFL-DEKA	115	123	2342	40 (4.5)	84.5	38.3	13.58	345	6.75	171	11.42	290
8G5SHP-HAP-DEKA				50 (5.7)			13.58	345	6.75	171	11.01	280

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

Terminal Options:



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.**



QUALITY SYSTEM CERTIFIED
ISO 9001
IATF 16949
 ENVIRONMENTAL SYSTEM CERTIFIED
ISO 14001

