

# Deka<sup>®</sup>

# SOLAR

## PHOTOVOLTAIC BATTERIES

### 8C11

- Reinforced case resists bulging and meets safety requirements
- Case & cover heat sealed and 100% tested to prevent leaks
- Puncture resistant microporous polyethylene separators extend life
- Computer-aided design and manufacturing control processes and standards to ensure quality products
- 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
- Applications: Water Pumping, Residential / Small Village, Cathodic Protection, Remote Monitoring, Lighting, Wind Generation, & Railway Signal



### SPECIFICATIONS

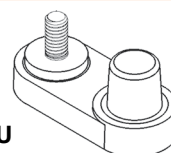
**Nominal Voltage:** 6-Volt  
**Rating:** 235 Ah @ 20 HR rate to 1.75 V.P.C.  
**Positive Plate:** Antimony Alloy  
**Negative Plate:** Antimony Alloy  
**Specific Gravity:** 1.275 at 77°F (25°C) fully charged  
**Case/Cover:** Polypropylene  
**Safety Vent:** Individual quarter – turn bayonet  
**Post Torque:** 5/16-18 Stud – 120 in lb  
 3/8-16 Stud – 180 in lb  
 SAE – 50 in lb

### PHOTOVOLTAIC CHARGING PARAMETERS

<b>Bulk Charge</b>	Max. Current (AMPS)	30% of 20HR Rate
<b>Absorption (Regulation) Charge</b>	Constant Voltage	2.40 – 2.45 V.P.C.
<b>Float Charge</b>	Constant Voltage	2.30 – 2.35 V.P.C.
<b>Equalize Charge</b>	Constant Voltage	2.50 – 2.55 V.P.C.
<b>Temperature Coefficient</b>	- 0.003 V / °C	

TYPE NO.		TERMINAL TYPE	PERFORMANCE (Ah) <sup>1</sup> to 1.75 V.P.C.		SHORT CIRCUIT CURRENT	ELECTROLYTE VOLUME		APPROXIMATE WEIGHT			
WET	DRY <sup>2</sup>		20 HR.	100 HR.		QUART	LITER	WET		DRY	
								LB.	KG.	LB.	KG.
<b>6-VOLT SOLAR FLOODED MONOBLOC</b>											
8C11	8C11D	U	235	260	2636	8.0	7.6	66.5	30	48.0	22

1 – Ratings after 15 Cycles  
 2 – "D" suffix indicated dry option available  
 N/A – Not Applicable



Terminal: U

