

# Deka®

# SOLAR

## PHOTOVOLTAIC BATTERIES

### GC15

- 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

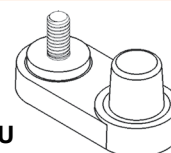
**Nominal Voltage:** 6-Volt  
**Rating:** 230 Ah @ 20 HR rate to 1.75 V.P.C.  
**Positive Plate:** Antimony Alloy  
**Negative Plate:** Antimony Alloy  
**Specific Gravity:** 1.275 at 77°F (25°C) fully charged  
**Case/Cover:** Polypropylene  
**Safety Vent:** Individual quarter – turn bayonet  
**Post 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.
6-VOLT SOLAR FLOODED MONOBLOC											
GC15	GC15D	U	230	258	2620	19.0	18.0	63	29	44.0	20

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



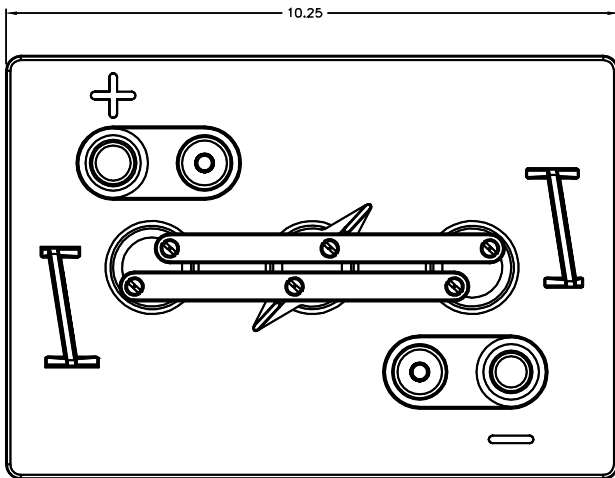
Terminal: U

# Deka<sup>®</sup> SOLAR<sup>®</sup>

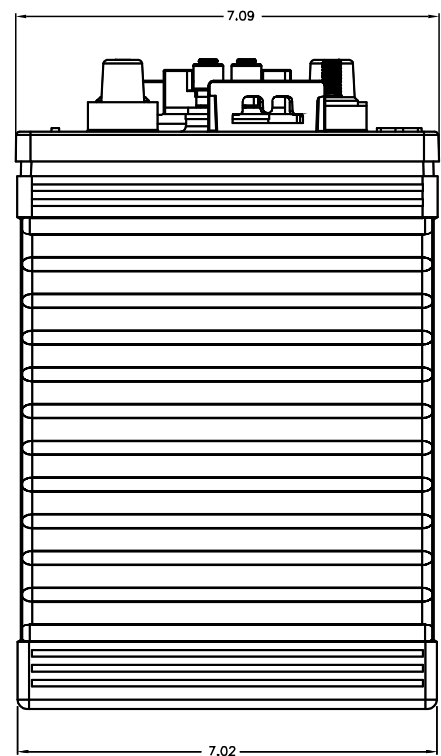
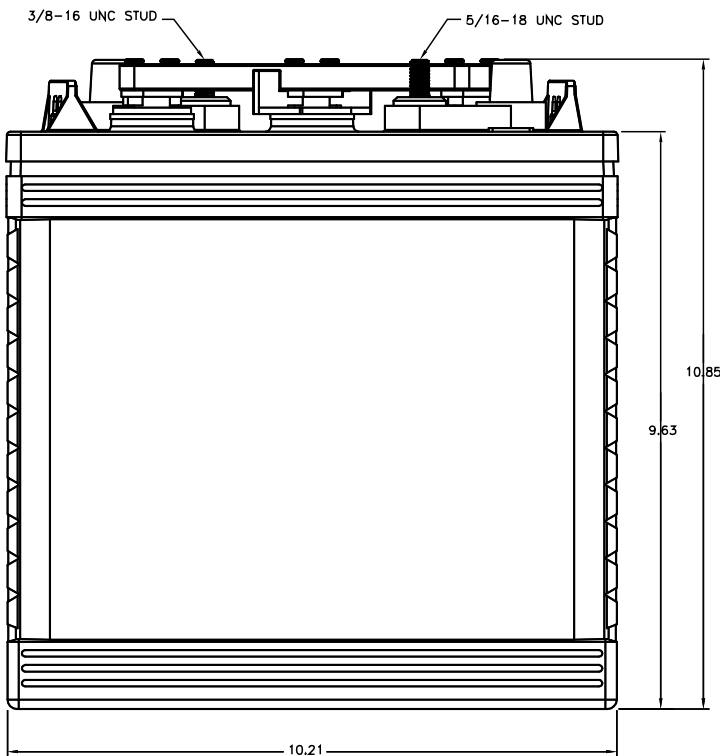
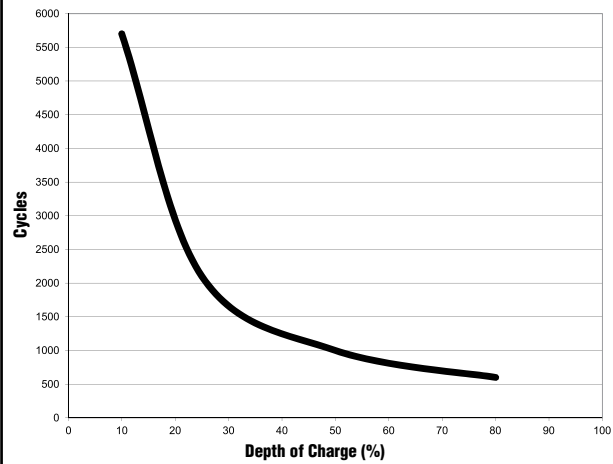
PHOTOVOLTAIC BATTERIES



QUALITY SYSTEM  
CERTIFIED  
**ISO 9001**  
**ISO/TS 16949**  
ENVIRONMENTAL  
SYSTEM CERTIFIED  
**ISO 14001**



**CYCLE LIFE VS. DEPTH OF DISCHARGE AT +25°C (77°F)**



**EASTPENN**  
www.dekabatteries.com



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