

ÉNERGIE MATRIX ENERGY

▶ Deka Premium Flooded Batteries

Higher voltage systems naturally have greater power requirements. The **DEKA SOLAR FLOODED SYSTEM** is designed to offer reliable, low maintenance power for renewable energy applications where frequent deep cycles are required and minimum maintenance is desirable.

FEATURES & BENEFITS

- ▶ Jar and Cover...
- ▶ Separators...
- ▶ Retainers...
- ▶ Positive and Negative Plate...
- ▶ Specific Gravity (fully charged)...
- ▶ Self discharge...
- ▶ Cycle life...
- ▶ Molded high impact polypropylene
- ▶ Microporous polyethylene material
- ▶ Vertically and horizontally wrapped glass mat, folded perforated envelope, molded plastic bottom shield
- ▶ Antimony flat plate
- ▶ 1.280 @ 25°C (77°F)
- ▶ 1% per week
- ▶ 1500 cycles @ 80% DOD, 4000 cycles @ 20% DOD [Number of cycles based on 6-hr. rate @ 25°C (77°F)]



INNOVATIVE FEATURES

- ▶ High capacity flat plate cells
- ▶ Long life: 12 to 14 years in shallow cycle service
- ▶ Thermally sealed cover to container
- ▶ Long-lasting epoxy coated steel trays
- ▶ Special mounting brackets on tray for enhanced stability
- ▶ Custom design modules
- ▶ Equipped with Deka E-Z Link connectors

OPTIONS AVAILABLE

- ▶ Single point watering system
- ▶ Design variations based on specific application needs

▶ Premium Flooded Batteries

| Model | Voltage | Dimensions inches (mm) | | | Weight lbs (kgs) | A/H @ 20Hr rate to 1.75 vpc | Flooded System Discharge Ratings Cut-Off Voltage at 1.70 VPC | | | |
|---------------------------------------|---|------------------------|------------|----------|------------------|-----------------------------|---|--------|--------|---------|
| | | Length | Width | Height | | | 6 Hr. | 20 Hr. | 72 Hr. | 100 Hr. |
| 3-D85-13 EZ SOLAR | 6 | 18.82 (478) | 5.25 (133) | 22 (559) | 267 (121) | 628 | 510 | 628 | 722 | 754 |
| 3-D85-15 EZ SOLAR | 6 | 19 (482) | 6 (153) | 22 (559) | 360 (164) | 732 | 595 | 732 | 842 | 878 |
| 3-D85-17 EZ SOLAR | 6 | 19 (482) | 7 (178) | 22 (559) | 345 (157) | 836 | 680 | 836 | 962 | 1003 |
| 3-D85-21 EZ SOLAR | 6 | 19 (482) | 8.25 (210) | 22 (559) | 426 (194) | 1045 | 850 | 1045 | 1202 | 1254 |
| 3-D85-25 EZ SOLAR | 6 | 19 (482) | 10 (254) | 22 (559) | 504 (229) | 1255 | 1020 | 1255 | 1443 | 1506 |
| IIC 1071 Interblock connectors | 10 3/4" Connector - 1 required to interconnect 13 and 15 plate size batteries 10 3/4" Connector - 2 required to interconnect 17, 21 and 25 plate size batteries | | | | | | | | | |
| take off cables | 2 x 2/0 - 5' take off cables with terminal protectors for plate sizes 15 and under 2 x 4/0 - 5' take off cables with terminal protectors for plate sizes 17 and up | | | | | | | | | |

6 Volt

Charge Voltage

- ▶ Cycle 2.40 to 2.45
- ▶ Float 2.30 to 2.35 per cell
- ▶ Equalize 2.50 to 2.55 per cell

Deka E-Z LINK

SYSTEM STANDARD ON ALL BATTERIES

SIGNIFICANTLY REDUCES BATTERY REPAIR COSTS AND DOWNTIME.

Now Battery Repair is as Easy and Safe as:

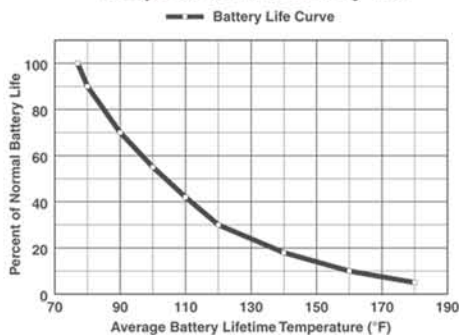
- 1 Disconnect E-Z LINK cell using wrench.
- 2 Remove cell.
- 3 Insert new cell.
- 4 Reconnect E-Z LINK cell

PLUS...

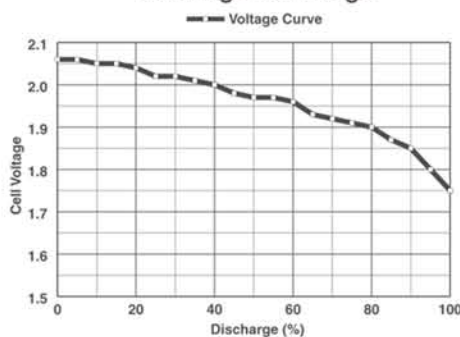
- ▶ Terminal cable replacement is quick and easy.



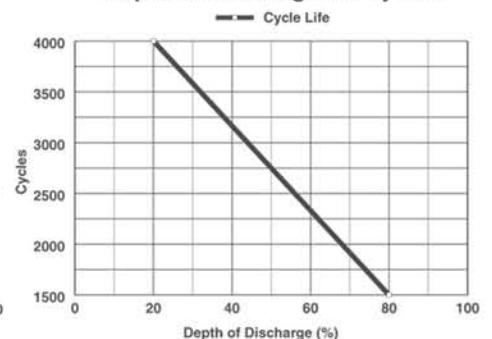
Temperature vs. Battery Life



Discharge vs. Voltage



Depth of Discharge vs. Cycles



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Warranty: 10 year total warranty (3 years free + 7 years pro-rated)