



# PHOTOVOLTAIC BATTERIES



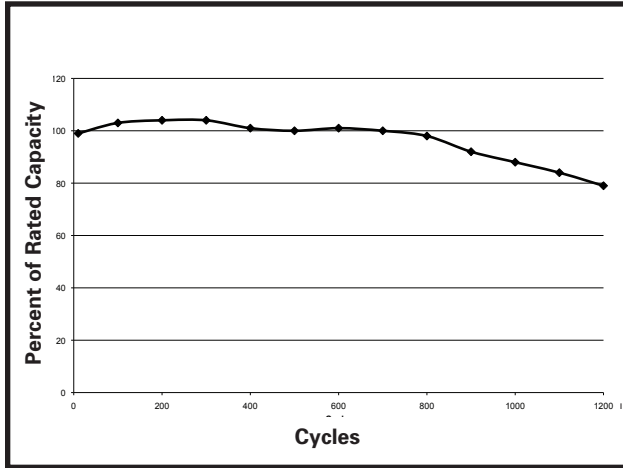
## GEL SYSTEM / 2V

The **DEKA SOLAR DOMINATOR**<sup>®</sup> Valve-Regulated Gel electrolyte battery is designed to offer reliable, maintenance-free power. It is available as a single cell or system. The gelled electrolyte protects the battery plates and is completely spillproof making it ideal for renewable energy deep cycle applications.

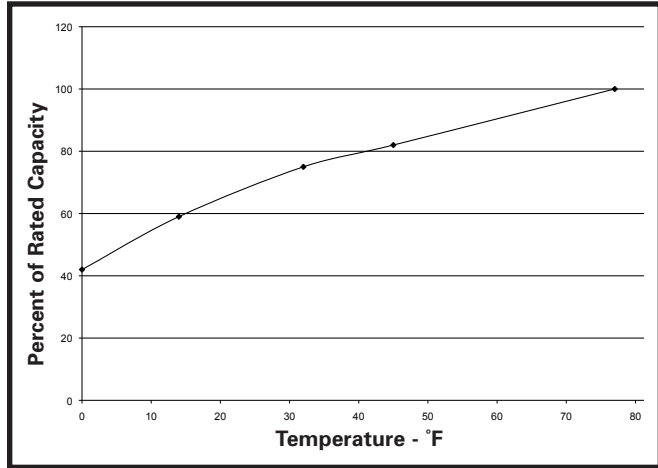
### FEATURES AND BENEFITS

Valve-Regulated	Sealed construction eliminates watering, corrosive acid fumes, and spills
Gelled Electrolyte	Electrolyte will not stratify
Positive & Negative Plate	Lead calcium
Self-Discharge	Less than 2% per month stand loss means little deterioration during transport and storage
Plates Formed using IPF <sup>®</sup> Technology	Optimizes power capacity, cell consistency, and long-term reliability

### G75 BCI Life Cycle Test – 80% DoD



### Gel Motive Power Temp vs Percent Capacity



### Cell Performance – Photovoltaic Batteries

Capacity in Ampere Hours, Temperature at 77° F (25°C), Cut-Off Voltage at 1.75 VPC

Cell Type	6 Hr.	8 Hr.	20 Hr.	24 Hr.	48 Hr.	100 Hr.
G75-5	143	152	173	177	191	199
G75-7	215	228	259	268	288	299
G75-9	287	304	345	354	381	398
G75-11	358	380	431	443	476	498
G75-13	430	456	518	531	572	597
G75-15	501	532	604	620	667	697
G75-17	573	608	690	708	762	798
G75-19	645	684	778	797	857	896
G75-21	716	761	863	885	953	995
G75-23	788	837	949	974	1048	1095
G75-25	860	913	1035	1062	1143	1194
G75-27	931	989	1121	1151	1238	1294
G75-29	1003	1065	1208	1239	1334	1393
G75-31	1074	1141	1294	1328	1429	1493
G75-33	1146	1217	1380	1416	1524	1592

## EAST PENN manufacturing co., inc.

Lyon Station, PA 19536-0147 • Phone: 610-682-6361 • Fax: 610-682-4781  
**Order Department Hotline: 610-682-4231**  
 www.eastpennunigy.com • e-mail: sales@eastpennunigy.com

E.P.M. Form No. 1581 7/10  
 ©2010 by EPM Printed in U.S.A.



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



All data subject to change without notice.  
 No part of this document may be copied or reproduced, electronically  
 or mechanically, without written permission from the company.