



# PHOTOVOLTAIC BATTERIES



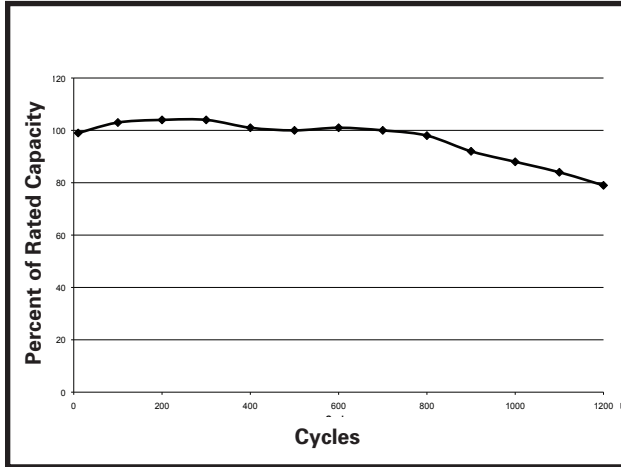
**GEL SYSTEM / 2V**

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.

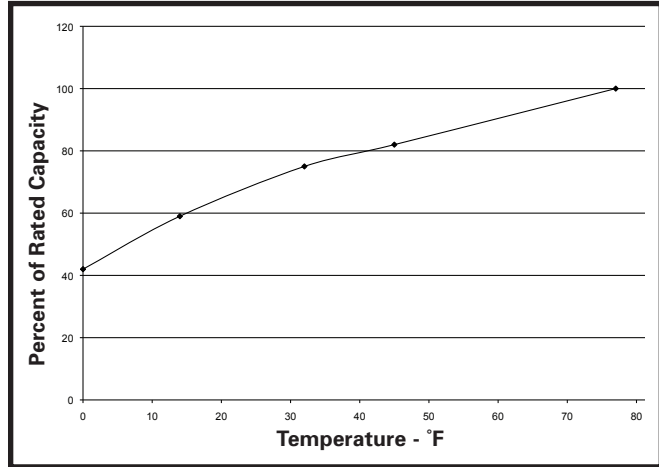
## FEATURES AND BENEFITS

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.
G45-5	86	91	104	106	114	119
G45-7	129	137	155	159	171	179
G45-9	172	183	207	212	229	239
G45-11	215	228	259	266	286	299
G45-13	258	274	311	319	343	358
G45-15	301	319	362	372	400	418
G45-17	344	365	414	425	457	478
G45-19	387	411	466	478	514	537
G45-21	430	456	518	531	572	597
G45-23	473	502	569	584	629	657
G45-25	516	548	621	637	686	716
G45-27	559	593	673	691	743	776
G45-29	602	639	725	744	800	836
G45-31	645	685	776	797	857	896
G45-33	688	730	828	850	914	955
G75-5	143	152	173	177	191	199
G75-7	215	228	259	266	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	796
G75-19	645	684	776	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
G105-5	201	213	242	248	267	279
G105-7	301	319	362	372	400	418
G105-9	401	426	483	496	533	557
G105-11	501	532	604	620	667	697
G105-13	602	639	725	744	800	836
G105-15	702	745	845	868	934	975
G105-17	802	852	966	992	1067	1114
G105-19	902	958	1087	1115	1200	1254
G105-21	1003	1065	1208	1239	1334	1393
G105-23	1103	1171	1328	1363	1467	1532
G105-25	1203	1278	1449	1487	1600	1672
G105-27	1304	1384	1570	1611	1734	1811

## 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 8/11  
 ©2011 by EPM Printed in U.S.A.



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.