

Deka unigy®

HIGH RATE SERIES

The Deka Unigy High Rate Series line of absorbed valve-regulated, lead-acid batteries is designed specifically for high-rate uninterruptible power supplies (UPS). These batteries are housed in polypropylene or flame-retardant polypropylene (rated 28 LOI), 12-volt monoblocks. Absorbed glass-mat construction lowers internal resistance for superior high-rate, short-term discharges.

Specifications

- NOMINAL VOLTAGE: 12-Volt
- FLOAT CHARGE VOLTAGE: 13.50 @ 77°F (25°C)
- EQUALIZE CHARGE VOLTAGE: 13.8
- OPERATING TEMPERATURE: 50° to 95°F (10°C to 35°C)
- TERMINAL: Lead terminal with 1/4 x 20 brass inserts
- TORQUE VALUE: 60 inch lbs.
- RIPPLE: Limited to 0.5% RMS or 1.5% of the float voltage
- SAFETY VENT: Flame arresting, low-pressure, self sealing on flame-retardant
Low-pressure, self sealing on standard



DATA SHEET FOR PART NUMBER:
4DHR6500S*

* Delete "S" in part number for flame retardant (4DHR6500)
Standard: Black Cover, Grey Case
Flame Retardant: Charcoal Cover and Case

Discharge Ratings in Watts Per Cell To Various End Voltages [at 77°F (25°C)]

Volts Per Cell (V.P.C.)	1 Min.	5 Min.	10 Min.	15 Min.	20 Min.	30 Min.	40 Min.	50 Min.	60 Min.
1.90	552	468	435	416	392	315	258	216	194
1.85	942	748	591	498	433	351	280	237	208
1.80	1109	863	677	552	468	372	301	252	220
1.75	1199	924	757	589	501	383	308	255	223
1.70	1279	984	778	609	512	392	314	258	224
1.67	1415	1042	807	624	513	395	315	261	226
1.60	1595	1335	824	646	522	397	320	262	229

Note: Above ratings conform to IEEE-485 standards.

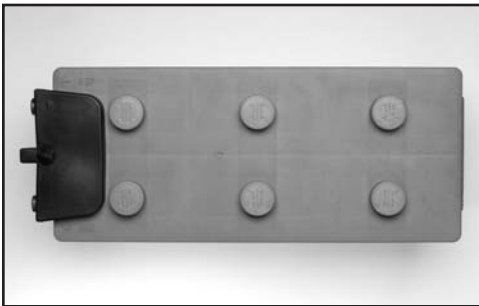
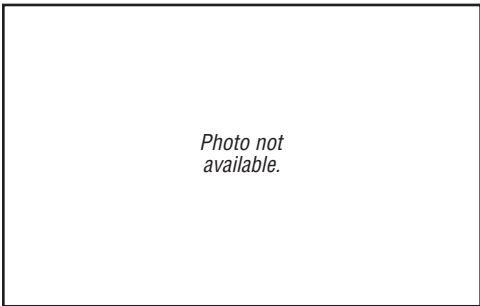
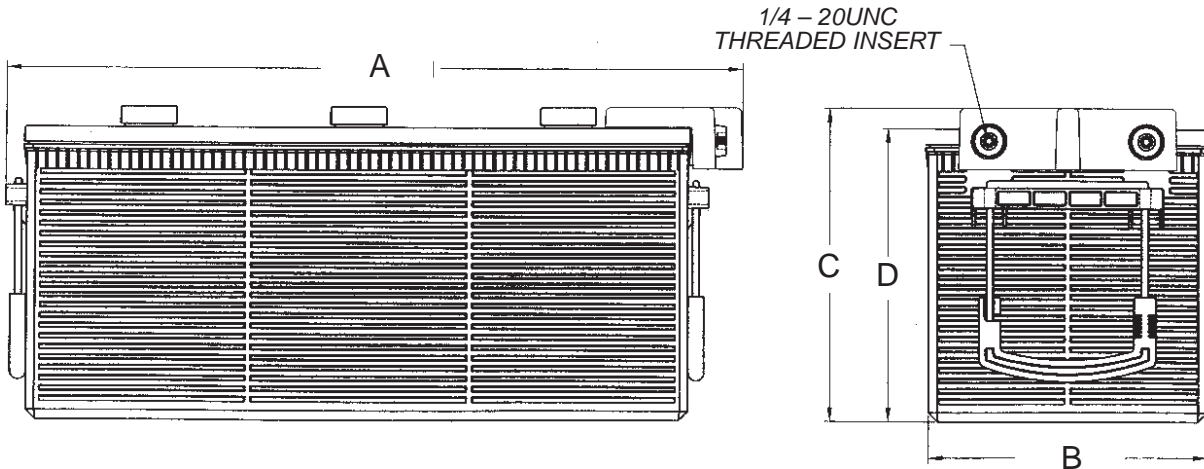
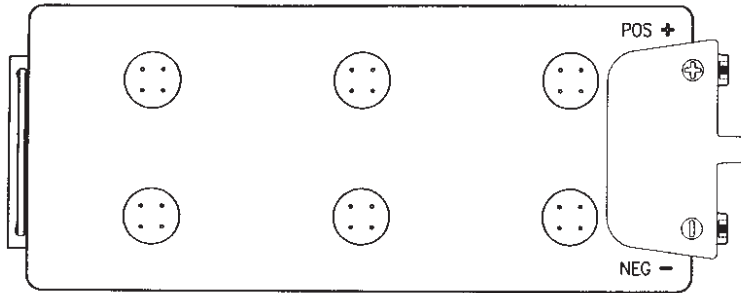
Discharge Ratings in Amperes To Various End Voltages [at 77°F (25°C)]

Volts Per Cell (V.P.C.)	15 Min.	30 Min.	60 Min.	3 Hrs.	8 Hrs.	12 Hrs.	20 Hrs.	48 Hrs.	100 Hrs.
1.90	212.00	164.00	98.00	44.00	19.4	13.9	8.79	3.92	1.95
1.85	258.00	180.00	108.00	46.00	20.6	14.5	9.29	4.20	2.07
1.80	291.00	192.00	114.00	49.00	21.4	15.3	9.68	4.32	2.12
1.75	318.00	200.00	115.00	50.00	22.0	15.4	9.91	4.41	2.16
1.70	335.00	204.00	117.00						
1.67	338.00	207.00	118.00						
1.60	351.00	208.00	119.00						

Note: Above ratings conform to IEEE-485 standards.

BATTERY	DIMENSIONS				WEIGHT
	A	B	C	D	
4DHR6500S	21.73 (551.9)	8.82 (210.3)	9.34 (237.2)	8.74 (22.0)	129.00 (58.5)

Chart contains dimensions in inches over millimeters and pounds over kilograms.



QUALITY SYSTEM
CERTIFIED TO
ISO 9001
ISO/TS 16949



UL Recognized Component

Part Number: **4DHR6500S**
Standard: Black Cover, Grey Case

Part Number: **4DHR6500**
Flame Retardant: Charcoal Cover and Case

"POWERED FOR PERFORMANCE"™

DISTRIBUTED BY:

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. 0965G Rev. 1/05
© 2005 by EPM Printed in U.S.A.

No part of this document may be copied or reproduced, electronically or mechanically, without written permission from the company.