

# Deka<sup>®</sup> unigy<sup>®</sup>

## 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. I.C.C.O., I.M.D.G., I.A.T.A. and D.O.T. air transport approved.

### 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:  
**27HR3500S\***



\* Delete "S" in part number for flame retardant (27HR3500)

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)]

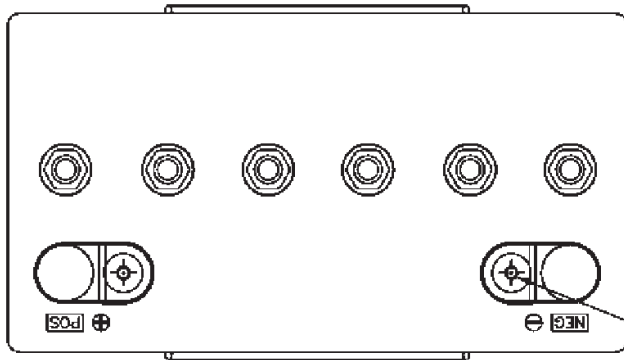
Volts Per Cell (V.P.C.)	1 Min.	5 Min.	10 Min.	15 Min.	20 Min.	30 Min.	40 Min.	50 Min.	60 Min.
1.90	382	344	320	253	221	170	140	120	107
1.85	485	434	337	264	229	177	144	124	110
1.80	572	462	354	275	237	181	148	128	113
1.75	657	491	370	287	245	186	153	131	116
1.70	737	519	387	298	253	192	157	135	119
1.67	780	537	398	304	257	195	159	136	120
1.60	866	571	422	319	268	201	163	139	122

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	132.00	88.00	49.50	20.60	9.06	6.38	4.07	1.84	0.92
1.85	139.00	91.00	54.30	22.40	9.80	6.91	4.41	2.00	1.01
1.80	146.00	95.00	57.40	23.50	10.10	7.10	4.51	2.04	1.03
1.75	153.00	98.00	60.50	24.50	10.40	7.29	4.61	2.07	1.04
1.70	160.00	102.00							
1.67	165.00	104.00							
1.60	175.00	108.00							

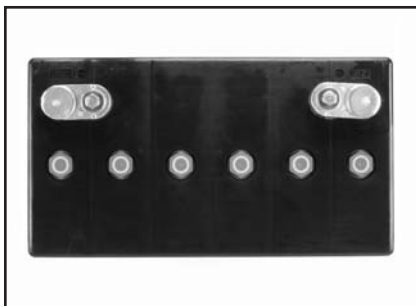
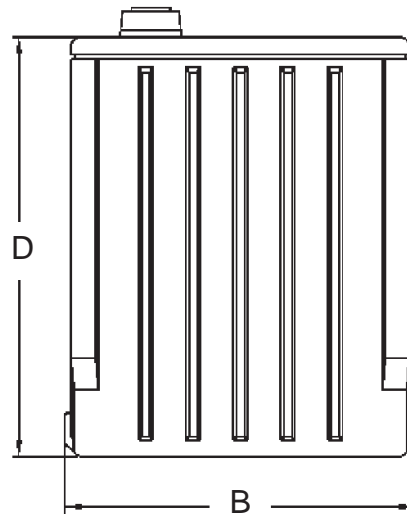
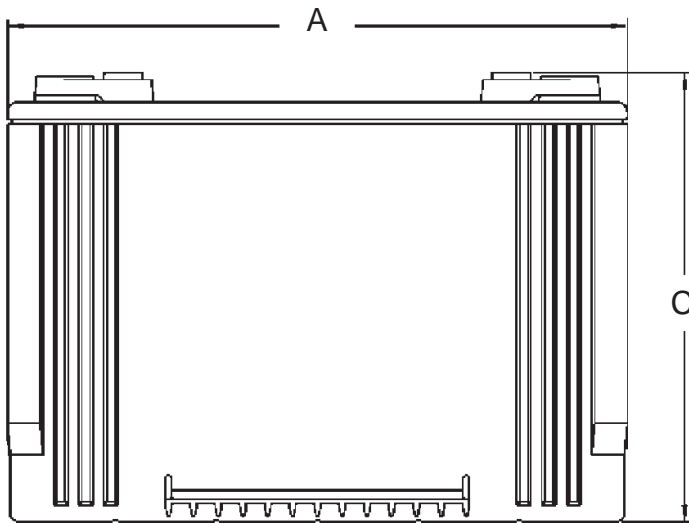
Note: Above ratings conform to IEEE-485 standards.



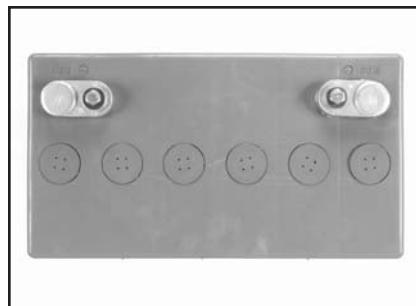
BATTERY	DIMENSIONS				WEIGHT
	A	B	C	D	
27HR3500S	12.01 (305.0)	6.800 (172.7)	8.677 (220.4)	8.115 (206.1)	63.0 (28.6)

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

1/4 - 20 x .25 DEEP THREADED INSERT



Part Number: **27HR3500S**  
Standard: Black Cover, Grey Case



Part Number: **27HR3500**  
Flame Retardant: Charcoal Cover and Case



QUALITY SYSTEM  
CERTIFIED TO  
**ISO 9001**  
**ISO/TS 16949**



UL Recognized Component



## MK Battery

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