

Deka® unigy II

Tomorrow's energy systems...today

New 95 Amp.Hr. System Delivers
MORE POWER
in **LESS SPACE**

Power Range 285 to 1520 A.H.

Wider Terminal Plate Spacing improves cable and connection safety.

Redesigned Air Gap reduces footprint while maintaining required cooling.

New Interlock™ Module design eliminates rear bolting and allows front access bolting. Increases installation safety.

New 95 A.H. Cell delivers 11% more power in same space as existing 85 A.H. size. Maintains 20 year design life.



New Front Shield design easily clips on and off without tools for quicker assembly.

New "Two Way" Post design eliminates "C" type connectors for easier installation.

Catalyst Vent improves high temperature performance.

Standard Two-Piece Interlock™ Base meets UBC97 Zone 3 fault line. Optional **One-Piece Interlock™ Base** meets UBC97 Zone 4 top of building requirements. Certified up to 8 modules high.

unigy II

New 95 A.H. System

System Configurations:

- 24- and 48-volt for Telecommunications
- 120-, 240-, and 480-volt for UPS and Switchgear Control
- New Interlock™ Modules*
 - 3-cell module: 17 to 33 plate
 - 6-cell module: 7 to 15 plate
 - Future Designs: 2- and 4-cell module

Features:

- New 48-volt AVR95-33 is reduced by 3.5" in height and 6" in width compared to existing 48-volt AVR85-33 system.
- AVR95-33 is rated at 1520 A.H. at the 8 hour rate compared to the AVR85-33 at 1400 A.H.
- Tank formed plates allow systems to be shipped at 100% rated capacity.

Optional Accessories:

- Top Mounting Plates for Electronics
- System Current Shunt Kit
- High Voltage Buss Bar Kit

EPM designs to meet the requirements of IEC 896-2, EN 60896-2, BS 6290 and SR-4228.

* Patent Pending

DISCHARGE RATES IN WATTS

DISCHARGE RATES IN WATTS PER CELL TO 1.67 V.P.C. @ 77°F (25°C)

CELL TYPE	60 MIN	30 MIN	15 MIN
AVR95-7	304.8	440.8	592.3
AVR95-9	406.4	587.7	789.7
AVR95-11	507.9	734.6	987.2
AVR95-13	609.5	881.5	1002.0
AVR95-15	711.1	1002.0	1002.0
AVR95-17	812.7	1175.3	1579.5
AVR95-19	914.3	1322.3	1776.9
AVR95-21	1015.9	1469.2	1974.0
AVR95-23	1117.5	1616.1	2004.0
AVR95-25	1219.1	1763.0	2004.0
AVR95-27	1320.6	1909.9	2004.0
AVR95-29	1422.2	2056.9	2764.0
AVR95-31	1523.8	2203.8	2961.5
AVR95-33	1625.4	2350.7	3006.0

DISCHARGE RATES IN WATTS PER CELL TO 1.75 V.P.C. @ 77°F (25°C)

CELL TYPE	60 MIN	30 MIN	15 MIN
AVR95-7	291.9	397.0	506.3
AVR95-9	389.2	529.3	675.0
AVR95-11	486.6	661.6	843.8
AVR95-13	583.9	794.0	1012.5
AVR95-15	681.2	926.3	1050.0
AVR95-17	778.5	1058.6	1350.0
AVR95-19	875.8	1191.0	1518.8
AVR95-21	973.1	1323.3	1687.5
AVR95-23	1070.4	1455.6	1856.3
AVR95-25	1167.7	1587.9	2025.0
AVR95-27	1265.0	1720.3	2100.0
AVR95-29	1362.3	1852.6	2362.6
AVR95-31	1459.7	1984.9	2531.3
AVR95-33	1557.0	2117.3	2700.1

RATINGS IN AMPERES

RATINGS IN AMPERES AT 77°F (25°C) TO 1.75 V.P.C.

CELL TYPE	8HR	4HR	2HR	1HR
AVR95-7	35.6	61.2	101.8	156.5
AVR95-9	47.5	81.6	135.8	208.7
AVR95-11	59.3	102.0	169.7	260.9
AVR95-13	71.2	122.4	203.7	313.1
AVR95-15	83.1	142.8	237.6	365.2
AVR95-17	94.9	163.2	271.6	417.4
AVR95-19	106.8	183.6	305.5	469.6
AVR95-21	118.7	204.0	339.5	521.8
AVR95-23	130.6	224.4	373.4	573.9
AVR95-25	142.4	244.9	407.3	626.1
AVR95-27	154.3	265.3	441.3	678.3
AVR95-29	166.2	285.7	475.2	730.5
AVR95-31	178.0	306.1	509.2	782.7
AVR95-33	189.9	326.5	543.1	834.8

RATINGS IN AMPERES AT 77°F (25°C) TO 1.85 V.P.C.

CELL TYPE	8HR	4HR	2HR	1HR
AVR95-7	34.2	57.5	91.5	133.0
AVR95-9	45.6	76.6	122.1	177.4
AVR95-11	57.0	95.7	152.6	221.7
AVR95-13	68.3	114.9	183.1	266.0
AVR95-15	79.7	134.0	213.6	310.4
AVR95-17	91.1	153.2	244.1	354.7
AVR95-19	102.5	172.3	274.6	399.0
AVR95-21	113.9	191.5	305.1	443.4
AVR95-23	125.3	210.6	335.7	487.7
AVR95-25	136.7	229.8	366.2	532.1
AVR95-27	148.1	248.9	396.7	576.4
AVR95-29	159.5	268.1	427.2	620.7
AVR95-31	170.9	287.2	457.7	665.1
AVR95-33	182.3	306.4	488.2	709.4

RATINGS IN AMPERES AT 77°F (25°C) TO 1.80 V.P.C.

CELL TYPE	8HR	4HR	2HR	1HR
AVR95-7	35.2	60.1	98.0	146.2
AVR95-9	47.0	80.1	130.7	195.0
AVR95-11	58.7	100.1	163.4	243.7
AVR95-13	70.5	120.1	196.1	292.5
AVR95-15	82.2	140.2	228.7	341.2
AVR95-17	94.0	160.2	261.4	390.0
AVR95-19	105.7	180.2	294.1	438.7
AVR95-21	117.5	200.2	326.8	487.5
AVR95-23	129.2	220.3	359.4	536.2
AVR95-25	141.0	240.3	392.1	585.0
AVR95-27	152.7	260.3	424.8	633.7
AVR95-29	164.5	280.3	457.5	682.5
AVR95-31	176.2	300.4	490.1	731.2
AVR95-33	188.0	320.4	522.8	780.0

RATINGS IN AMPERES AT 77°F (25°C) TO 1.90 V.P.C.

CELL TYPE	8HR	4HR	2HR	1HR
AVR95-7	32.1	52.7	81.9	116.1
AVR95-9	42.7	70.3	109.1	154.8
AVR95-11	53.4	87.8	136.4	193.5
AVR95-13	64.1	105.4	163.7	232.2
AVR95-15	74.8	122.9	191.0	270.9
AVR95-17	85.5	140.5	218.3	309.6
AVR95-19	96.2	158.1	245.6	348.3
AVR95-21	106.9	175.6	272.8	387.0
AVR95-23	117.6	193.2	300.1	425.7
AVR95-25	128.2	210.8	327.4	464.4
AVR95-27	138.9	228.3	354.7	503.2
AVR95-29	149.6	245.9	382.0	541.9
AVR95-31	160.3	263.5	409.3	580.6
AVR95-33	171.0	281.0	436.5	619.3

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