

PRE-WIRED RELAY BATTERY RACK



OVERVIEW:

The ESS Two Post Relay Battery Rack is an economical solution for -48V or 24V non-seismic systems. Install up to five -48V strings or ten +24V strings of backup power in a footprint of less than 4 square feet. Removable battery front retainers allow the technician to efficiently install or replace batteries and the battery disconnects at each string will allow easy and safe maintenance without any downtime. Racks are prewired at the factory with 1 to 5 battery trays. Trays for 19" racks are split design and rated for up to 500 lbs. Trays for 23" racks are solid design and rated for up to 625 lbs.

Features:

- Standard battery trays for 19" racks are 17.5" wide by 19.4" deep. Trays for 23" racks are 20.8" wide by 21.1" deep. Other battery tray sizes are available upon request. See ordering guide for options.
- Standard racks are 7' tall with other height options available. Reference ordering guide for additional options.
- Available standard with bulk output or with optional circuit breaker protections on each string.
- Positive and negative collector bus bars are sized according to maximum potential current.
- Standard EIA hole spacing pattern allows mounting of equipment in open rack space.
- Pre wired and pre-assembled to expedite installations. Only anchoring and installation of the batteries is required.

PRE-WIRED RELAY BATTERY RACK

SPECIFICATIONS			
BASE MODEL NUMBER (SEE NOTE 1)	DESCRIPTION	OVERALL DIMENSIONS (W x D x H)	EMPTY ~WEIGHT
EQR4A084AA-1AA	RELAY BATTERY RACK, 19" MNTG., 1 BATTERY TRAY, 48V	20.7" x 22.0" x 84.0"	124
EQR4A084AA-2AA	RELAY BATTERY RACK, 19" MNTG., 2 BATTERY TRAYS, 48V	20.7" x 22.0" x 84.0"	155
EQR4A084AA-3AA	RELAY BATTERY RACK, 19" MNTG., 3 BATTERY TRAYS, 48V	20.7" x 22.0" x 84.0"	186
EQR4A084AA-4AA	RELAY BATTERY RACK, 19" MNTG., 4 BATTERY TRAYS, 48V	20.7" x 22.0" x 84.0"	217
EQR4A084AA-5AA	RELAY BATTERY RACK, 19" MNTG., 5 BATTERY TRAYS, 48V	20.7" x 22.0" x 84.0"	248
EQR4A084AA-1BA	RELAY BATTERY RACK, 19" MNTG., 1 BATTERY TRAY, 24V	20.7" x 22.0" x 84.0"	129
EQR4A084AA-2BA	RELAY BATTERY RACK, 19" MNTG., 2 BATTERY TRAYS, 24V	20.7" x 22.0" x 84.0"	165
EQR4A084AA-3BA	RELAY BATTERY RACK, 19" MNTG., 3 BATTERY TRAYS, 24V	20.7" x 22.0" x 84.0"	200
EQR4A084AA-4BA	RELAY BATTERY RACK, 19" MNTG., 4 BATTERY TRAYS, 24V	20.7" x 22.0" x 84.0"	237
EQR4A084AA-5BA	RELAY BATTERY RACK, 19" MNTG., 5 BATTERY TRAYS, 24V	20.7" x 22.0" x 84.0"	263
EQR4B084AA-1AE	RELAY BATTERY RACK, 23" MNTG., 1 BATTERY TRAY, 48V	24.7" x 22.6" x 84.0"	143
EQR4B084AA-2AE	RELAY BATTERY RACK, 23" MNTG., 2 BATTERY TRAYS, 48V	24.7" x 22.6" x 84.0"	178
EQR4B084AA-3AE	RELAY BATTERY RACK, 23" MNTG., 3 BATTERY TRAYS, 48V	24.7" x 22.6" x 84.0"	213
EQR4B084AA-4AE	RELAY BATTERY RACK, 23" MNTG., 4 BATTERY TRAYS, 48V	24.7" x 22.6" x 84.0"	248
EQR4B084AA-5AE	RELAY BATTERY RACK, 23" MNTG., 5 BATTERY TRAYS, 48V	24.7" x 22.6" x 84.0"	283
EQR4B084AA-1AE	RELAY BATTERY RACK, 23" MNTG., 1 BATTERY TRAY, 24V	24.7" x 22.6" x 84.0"	148
EQR4B084AA-2AE	RELAY BATTERY RACK, 23" MNTG., 2 BATTERY TRAYS, 24V	24.7" x 22.6" x 84.0"	188
EQR4B084AA-3AE	RELAY BATTERY RACK, 23" MNTG., 3 BATTERY TRAYS, 24V	24.7" x 22.6" x 84.0"	228
EQR4B084AA-4AE	RELAY BATTERY RACK, 23" MNTG., 4 BATTERY TRAYS, 24V	24.7" x 22.6" x 84.0"	268
EQR4B084AA-5AE	RELAY BATTERY RACK, 23" MNTG., 5 BATTERY TRAYS, 24V	24.7" x 22.6" x 84.0"	308

OPTIONS LEGEND							
BASE MODEL P/N BREAK DOWN				OTHER RACK OPTIONS TO CONSIDER (ADD LETTERS AFTER STANDARD OPTIONS)			
EQR4x084AA RACK PART NUMBER (DIGITS 1-10) SEE NOTE 3	-	X # OF TRAYS (DIGIT 12)	X VOLTAGE (DIGIT 13)	X TRAY DEPTH (DIGIT 14) SEE NOTE 4	XXX BREAKER OR CABLE SIZE (DIGITS 15-17) SEE NOTE 5	X BUS AMP RATING (DIGIT 18)	X ALARM OPTION (DIGIT 19) SEENOTE 7
EQR4A084AA = 19" RACK EQR4B084AA = 23" RACK		1 - 5	A = -48V B = 24V	A = 19.5" (SPLIT TRAY OPTION) E = 21.1" (SOLID TRAY OPTION)	B10 = 100A BREAKER (#4 CABLE) B20 = 200A BREAKER (#2 CABLE) B25 = 250A BREAKER (1/0 CABLE) B35 = 350A BREAKER (4/0 CABLE) 00J = #4 CABLE 00K = #2 CABLE 00L = 1/0 CABLE 00M = 2/0 CABLE 00N = 4/0 CABLE	A = 1000A BUS B = 2000A BUS C = 3000A BUS	W = BREAKERS WIRED FOR ALARM (NC SIGNAL)

NOTES:

- COMPLETE THE MODEL PART NUMBER BY REPLACING THE "x" WITH EITHER THE LETTER "A" OR "B". "A" REPRESENTS 19 INCH RACKS AND "B" REPRESENTS 23 INCH RACKS. SEE THE OPTIONS LEGEND FOR ADDITIONAL CLARIFICATION.
- APPROXIMATE WEIGHT SHOWN IS BASED ON RACK AND CABLES ONLY, USING #4 GAUGE CABLE. THICKER GAUGE CABLE WILL INCREASE WEIGHT LISTED.
- THE FIRST 10 DIGITS OF THE BASE MODEL NUMBER REPRESENT THE RACK PART NUMBER. THE STANDARD SYSTEMS CONSIST OF A 19" OR 23", 6 INCH CHANNEL RACK WITH EIA HOLE SPACING. THE FULL SYSTEM PART NUMBER WILL BE 18 DIGITS (INCLUDING THE DASH) OR 19 DIGITS WHEN ALARM WIRING OPTION IS INCLUDED.
- SOLID TRAY OPTIONS (HEAVY DUTY TRAYS) ARE AVAILABLE FOR 23" RACK CONFIGURATIONS ONLY. STANDARD DEPTH OF TRAY IS 21.1 INCHES. ONLY SPLIT TRAYS CAN BE USED WITH 19" RACKS. STANDARD DEPTH IS 19.5 INCHES.
- BREAKERS LARGER THAN 100A ARE AVAILABLE UPON REQUEST BUT HAVE LONGER LEAD TIMES. IF CUSTOMER REQUIRES A DIFFERENT SIZE CABLE THAN WHAT IS NOTED AS STANDARD SIMPLY REPLACE THE "B" IN THE 3 DIGIT CODE WITH ONE OF THE FOLLOWING:
 K - FOR #2 CABLE L - FOR 1/0 CABLE
 M - FOR 2/0 CABLE N - FOR 4/0 CABLE
 FOR EXAMPLE: CODE FOR 100A BREAKER WITH #2 CABLE WILL BE "K10".
- STANDARD BUS IS 1000 AMPS CAPACITY.
- RACKS CAN BE FACTORY WIRED FOR BREAKER ALARMS. ALL BREAKERS WILL HAVE THE ALARM OPTIONS BUT ARE WIRED FOR ALARMS ONLY WHEN SPECIFIED. ADD A "W" AT THE END OF THE PART NUMBER WHEN ALARM WIRING IS NECESSARY.
- OTHER RACK AND TRAY OPTIONS OUTSIDE OF THE SCOPE OF THIS CUT SHEET ARE AVAILABLE. PLEASE CONSULT WITH SALES.