

# PRE-WIRED SEIMIC BATTERY RACK



## OVERVIEW:

The ESS Two Post Seismic Battery Rack is the ideal solution when the goal is to save space and costs on your -48V or 24V systems. With available footprints of 4 square feet or less, you can maximize available floor space with this industry standard 19" or 23" wide rack.

Save money by cutting down time during installation and battery maintenance. Install up to five -48V strings or ten +24V strings of backup power in no time. 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.

ESS Two Post Seismic Battery Racks are pre-wired at the factory with 1 to 5 heavy duty battery trays. Each tray is rated for 600 lbs.

## OTHER BENEFITS INCLUDE:

- 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.
- Battery rack GR-63-CORE certified for Seismic Zone 4 with loads up to 950 lbs and is also rated for up to 3000 lbs. static weight.
- Standard racks are 7' tall with other height options available. Reference ordering guide for other options.
- Available standard with bulk output or with optional circuit breaker protections on each string.
- Positive and negative collector buses are sized according to maximum potential current.
- Standard EIA hole spacing pattern allows mounting of equipment in open rack space for combinations of batteries and DC plants.
- Pre wired and pre-assembled to expedite installations. Only anchoring and installation of the batteries is required.

# SEISMIC PRE-WIRED BATTERY RACK

SPECIFICATIONS			
BASE MODEL NUMBER	DESCRIPTION	OVERALL DIMENSIONS (W x D x H)	EMPTY -WEIGHT
TTNB60084AA-1AE	SEISMIC BATTERY RACK, 23" MNTG., 1 BATTERY TRAY, 48V	25.88" x 25.68" x 84.0" (65.7 cm x 65.2 cm x 213.4 cm)	196
TTNB60084AA-2AE	SEISMIC BATTERY RACK, 23" MNTG., 2 BATTERY TRAY, 48V	25.88" x 25.68" x 84.0" (65.7 cm x 65.2 cm x 213.4 cm)	233
TTNB60084AA-3AE	SEISMIC BATTERY RACK, 23" MNTG., 3 BATTERY TRAY, 48V	25.88" x 25.68" x 84.0" (65.7 cm x 65.2 cm x 213.4 cm)	267
TTNB60084AA-4AE	SEISMIC BATTERY RACK, 23" MNTG., 4 BATTERY TRAY, 48V	25.88" x 25.68" x 84.0" (65.7 cm x 65.2 cm x 213.4 cm)	301
TTNB60084AA-5AE	SEISMIC BATTERY RACK, 23" MNTG., 5 BATTERY TRAY, 48V	25.88" x 25.68" x 84.0" (65.7 cm x 65.2 cm x 213.4 cm)	335
TTNB60084AA-1BE	SEISMIC BATTERY RACK, 23" MNTG., 1 BATTERY TRAY, 24V	25.88" x 25.68" x 84.0" (65.7 cm x 65.2 cm x 213.4 cm)	200
TTNB60084AA-2BE	SEISMIC BATTERY RACK, 23" MNTG., 2 BATTERY TRAY, 24V	25.88" x 25.68" x 84.0" (65.7 cm x 65.2 cm x 213.4 cm)	241
TTNB60084AA-3BE	SEISMIC BATTERY RACK, 23" MNTG., 3 BATTERY TRAY, 24V	25.88" x 25.68" x 84.0" (65.7 cm x 65.2 cm x 213.4 cm)	279
TTNB60084AA-4BE	SEISMIC BATTERY RACK, 23" MNTG., 4 BATTERY TRAY, 24V	25.88" x 25.68" x 84.0" (65.7 cm x 65.2 cm x 213.4 cm)	317
TTNB60084AA-5BE	SEISMIC BATTERY RACK, 23" MNTG., 5 BATTERY TRAY, 24V	25.88" x 25.68" x 84.0" (65.7 cm x 65.2 cm x 213.4 cm)	355

BASE MODEL P/N BREAK DOWN				OTHER RACK OPTIONS TO CONSIDER (ADD LETTERS AFTER STANDARD OPTIONS)			
TTNB60084AA RACK PART NUMBER (DIGITS 1-11) SEE NOTE 1	-	X # OF TRAYS (DIGIT 13)	X VOLTAGE (DIGIT 14)	X TRAY DEPTH (DIGIT 15)	XXX BREAKER OPTION (DIGIT 16-18) SEE NOTE 3	X (DIGIT 19) SEE NOTE 4	X ALARM OPTION (DIGIT 20) SEE NOTE 5
		1 - 5	A = -48V B = 24V	E = 21.1 "	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 (NO BREAKERS) 00K = #2 CABLE (NO BREAKERS) 00L = 1/0 CABLE (NO BREAKERS) M = 2/0 CABLE (NO BREAKERS) N = 4/0 CABLE (NO BREAKERS)	A = 1000A BUS B = 2000A BUS C = 3000A BUS	W = BREAKERS WIRED FOR ALARM (NC SIGNAL)

NOTES:

- THE FIRST 11 DIGITS OF THE BASE MODEL NUMBER REPRESENT THE RACK. IT IS A 23" RACK, WITH 600MM DEEP BASE, EIA MOUNTING HOLES, TELCO GRAY IN COLOR. FULL PART NUMBER MUST BE ORDERED. A FULL PART NUMBER WILL BE 19 DIGITS (INCLUDING THE DASH) OR 20 DIGITS WHEN ALARM WIRING OPTION IS INCLUDED.
- APPROXIMATE WEIGHT SHOWN IS BASED ON RACK AND CABLES ONLY, USING #4 GAUGE CABLE. THICKER GAUGE CABLE WILL INCREASE WEIGHT LISTED.
- 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 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.