Power Conversion®

NXRT-EBP

External Battery Packs

User & Installation Manual

Extended Battery Pack User Guide

Estimated Run Time for UPS with Extended Battery Packs

MODEL	LOAD		RUNTIME FOR QTY OF EXTENDED BATTERY PACKS IN MIN.		
	VA	WATTS	UPS	(1) EBP	(2) EBP
NXRT-1000	500	350	23	91	176
	1000	700	10	41	80
NXRT-1500	750	525	18	68	124
	1500	1050	9	32	60
NXRT-2000	1000	700	29	109	200
	2000	1400	14	52	97
NXRT-3000	1500	1050	18	67	123
	3000	2100	9	32	60

*For applications requirements of more than two EBP's, a CBP must be added. See Appendix B for additional information.

CAUTION: It is very critical to connect the correct voltage EBP with the UPS intended.

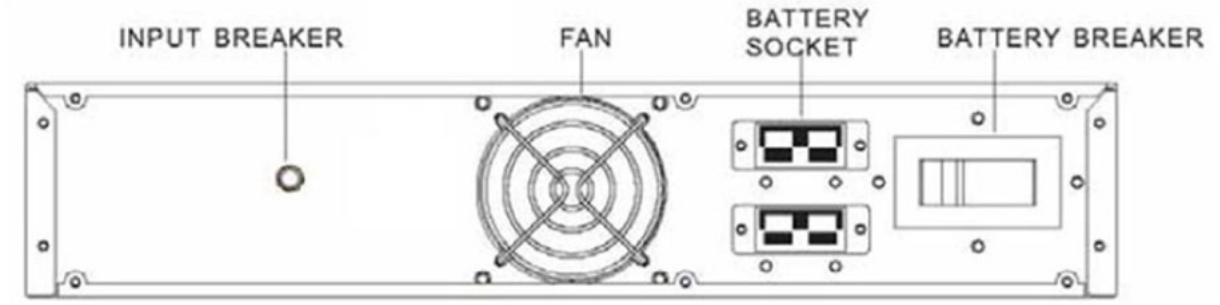
EBP1 is for NXRT-1000
EBP2 is for NXRT-1500
EBP3 is for NXRT-2000/3000

CONNECTING THE INCORRECT BATTERY PACK TO THE UPS MAY RESULT IN DAMAGE TO THE UPS AND/OR BATTERY PACK WILL VOID THE WARRANTY.

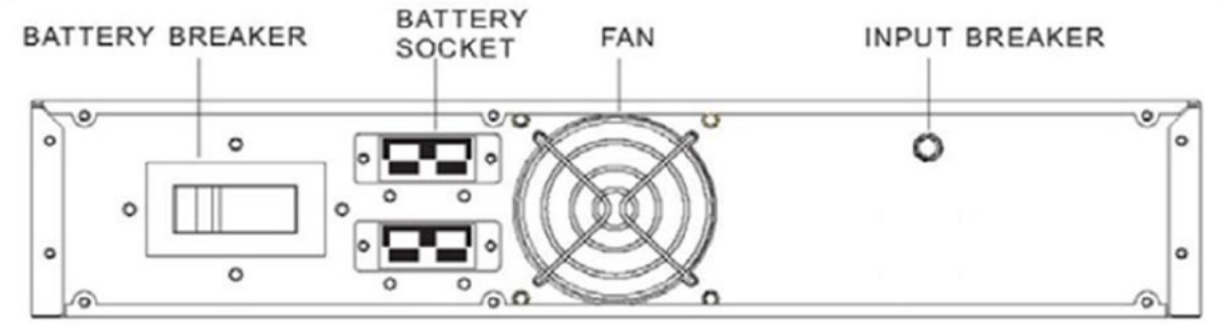
All EBP's have a different DC voltage configuration intended only for the UPS's listed above. PLEASE DO NOT MIX EBP's AND MAKE SURE YOU ONLY CONNECT THE EBP TO LIKE EBP's OR UPS INDICATED ABOVE. DC VOLTAGES ARE MARKED ON BOTH THE UPS AND THE EBP – MAKE SURE THEY MATCH.

Caution label on EBP cable connectors - PLEASE CHECK VOLTAGES CAREFULLY

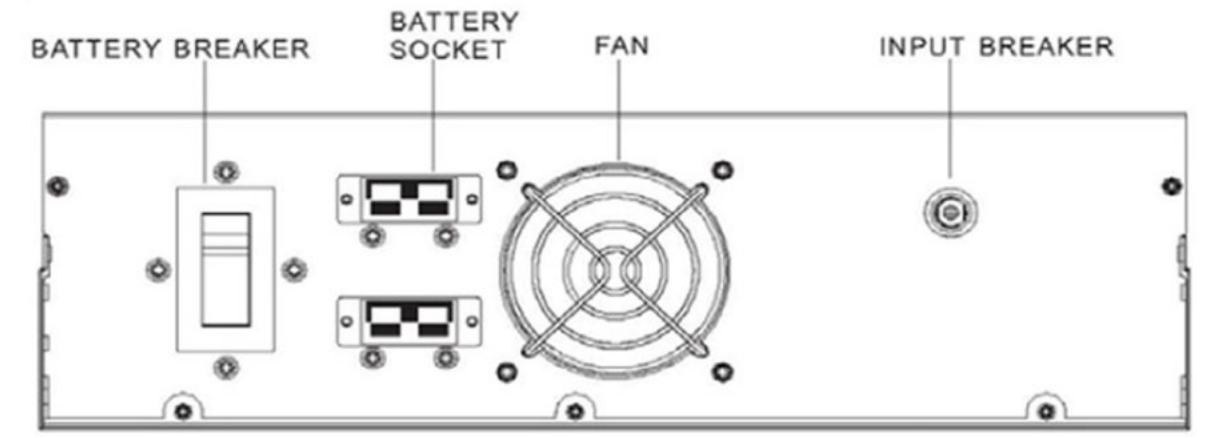
Extended Battery Pack Configuration



EBP1 for NXRT-1000



EBP2 for NXRT-1500



EBP3 for NXRT-2000/3000

NXRT-EBP front panel

LED Description

The **Battery Test LED GREEN** indicates that the DC output of the Extended Battery Pack (EBP) is normal.
To perform the Battery Test:

- Switch the breaker on the rear of the EBP to ON position
- Press the Battery Test Button on the front panel of the EBP
- The DC output from the EBP is normal when the Battery Test LED is illuminated

Prior to connecting EBP's, test each EBP to assure proper operation.

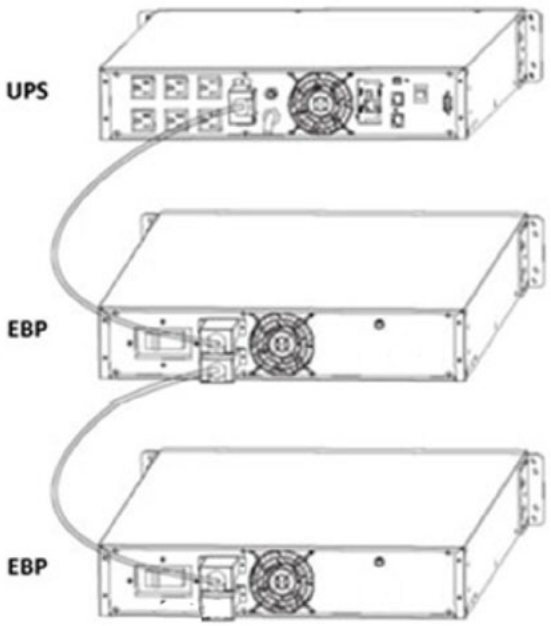
Extended Battery Pack Operation

The NXRT UPS System can be connected with up to two EBPs to increase the runtime when connected to the UPS supporting the load.

1. The DC Circuit Breaker on the rear of the EBP connects and disconnects the DC bus voltage from the EBP to the UPS. The DC Circuit Breaker will also trip to the OFF position in the event of an over-current condition in the EBP.

EBP2 rear view

2. The EBP's use a cable shipped with each EBP to "daisy chain" together additional EBP's to the first EBP being connected to the UPS in the appropriately labeled connector, or for connecting the first EBP to the UPS.



EBP's "daisy chain" to UPS or other EBP

Extended Battery Pack Installation

CAUTION: Extended Battery Pack (EBP) Installation should be performed by qualified service personnel.

1. Verify that the DC circuit breaker on the rear panel of the EBP is in the OFF position.
2. Turn the UPS OFF and disconnect the UPS Input Cord from the AC wall outlet.
3. Remove the EBP connector cover from the UPS rear panel.
4. Connect the external DC battery cable from the EBP to the appropriate connector on the UPS.
5. Secure the DC battery cable to both the rear of the UPS and the rear of the EBP by using M3 x 8 screws provided (2 each per connector end).
6. Repeat the above procedure for testing and securing each additional EBP required.
7. Move the DC circuit breaker on the rear of each EBP to the ON position. At this point the UPS will need to be started.

   NOTE: If the EBP is going to be out of service or stored for six months or longer, the batteries must be re-charged for at least 36 hours every six months.