



## FORTRESS eFlex 5.4 kWh LITHIUM BATTERY Rack Selection Instructions

**AIM:** This instructional guide is meant to help FORTRESS POWER business partners in selecting commercially available standard racking for the eFlex 5.4 product.

Scope: eFlex installation

### Technical Summary:

The eFlex is designed for versatile installation methods. The size of eFlex size is (DxWxH) 21.5\*17.5\*7.2 inches, allowing the product to fit into any standard 19-inch industrial server rack. Please pay attention to the following major notes when selecting a standard server rack as a battery rack.

1. eFlex is designed for shelf mounting, not for rack mounting
2. Shelf weight rating > 120lb.
3. Shelf usable width should be > 17.5 inch.
4. Shelf should not have edge which usually has less than 17.5 inch usable width, as shown in the examples below



5. Overall server rack weight rating needs to be considered according to the total weight of eFlex in one server rack system
6. Server Rack useable depth greater to or equal to 24 inches

### Recommended selection:

U = Rack Unit (1.75");

Server Rack [Rack Unit]	Useable Depth [Inch]	eFlex Height [Inch]	Quantity of eFlex
18U	≥24	7.20	4
21U	≥24	7.20	4
27U	≥24	7.20	6
35U	≥24	7.20	8
40U	≥24	7.20	9
45U	≥24	7.20	10

Here is an example of a manufacturers spec sheet with the correct dimensions highlighted:

BudRack Professional Series											
Catalog No.	Drawings	Panel Space (inches)		"U"	Overall Dimensions (inches)			Clear Inside Depth (inches)	Weight (Lbs.)	Additional Ventilated Fixed Shelf Catalog No.	Weight (Lbs.)
		Width	Height		Width	Depth	Height				
BRP-12202	<a href="#">PDF</a> <a href="#">DXF</a>	19.00	42.00	24	23.62	23.62	49.40	20.88	222	SH-12706	5
BRP-12206	<a href="#">PDF</a> <a href="#">DXF</a>	19.00	70.00	40	23.62	23.62	77.40	20.88	305		
BRP-12208	<a href="#">PDF</a> <a href="#">DXF</a>	19.00	78.75	45	23.62	23.62	86.15	20.88	327		
BRP-12212	<a href="#">PDF</a> <a href="#">DXF</a>	19.00	42.00	24	23.62	31.50	49.40	28.75	254	SH-12708	6
BRP-12216	<a href="#">PDF</a> <a href="#">DXF</a>	19.00	70.00	40	23.62	31.50	77.40	28.75	345		
BRP-12218	<a href="#">PDF</a> <a href="#">DXF</a>	19.00	78.75	45	23.62	31.50	86.15	28.75	370		