FORTRESS eFlex 5.4 kWh LITHIUM BATTERY Rack Selection Instructions
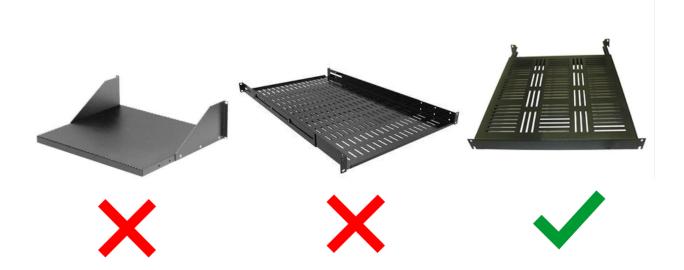
AIM: This instructional guide is meant to help FORTRESS POWER business partners in selecting commercially available standard racking for the eFlex 5.4 product.

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 usuable 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:

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