



## Product Description

Phazr revolutionizes energy storage by placing batteries directly at the source of where power is being produced.

Each unit is conveniently located underneath a solar panel, adjacent to the microinverter or DC power optimizer, and utilizes the same rail system to make installation simple and virtually free of cost.

Phazr is scalable and can be configured to any size: from small residential systems with a few solar panels to large utility-scale systems with thousands of panels spread over tens of acres of land.

JLM's cloud-based energy and fleet management system, Measurz, is used to provide real-time data and insight from individual Phazrs to the system owner or manager.

Phazr uses JLM's patent-pending Symmetric DC Regulation (SDCR) technology, which is responsible for its simplicity of design, low cost and high efficiency.



Plug-and-Play



20-Year Warranty Available



Lowest Total Cost of Ownership

## Features

- No single point of failure
- Add to existing solar installations
- Zero installation & Design cost
- Compatible for rooftop or ground mount
- Compatible with all solar panels and microinverters and DC power optimizers
- Low voltage design
- 10-Year standard warranty.  
10-Year extended warranty available for purchase
- Only 1 pound per square foot additional roof weight
- Lithium Iron Phosphate battery chemistry, thermally and structurally stable.
- Use multiple Phazr for higher capacity
- Highest efficiency available
- ITC guaranteed by design
- Lowest total cost of ownership

Product Specifications	Phazr-6	Phazr-7	Phazr-8	Phazr-9	Phazr-10	Phazr-11	Phazr-12
Operating Voltage Range	22 V - 50 V	22 V - 50 V	22 V - 50 V	22 V - 50 V	22 V - 50 V	22 V - 50 V	22 V - 50 V
Max. Input Voltage	50 V	50 V	50 V	50 V	50 V	50 V	50 V
Max. Input Current	12 A	12 A	12 A	12 A	12 A	12 A	12 A
Max. Short Circuit Current	15 A	15 A	15 A	15 A	15 A	15 A	15 A
Compatibility	60-Cell & 72-Cell Solar Modules						
Optimal Panel Vmp (NOCT) Range	21.5 V - 25 V	25 V - 28.5 V	28.5 V - 32.5 V	32.5 V - 36 V	36 V - 39.5 V	39.5 V - 43 V	43 V - 46.5 V

## Output Data (DC)

Max. Output Power	200 W	230 W	260 W	300 W	300 W	300 W	300 W
Max. Output Current	8 A	8 A	8 A	8 A	8 A	8 A	8 A
Output Voltage Range	22 V - 48 V	22 V - 48 V	22 V - 48 V	22 V - 48 V	22 V - 48 V	22 V - 48 V	22 V - 48 V
Max. Output Voltage	50 V	50 V	50 V	50 V	50 V	50 V	50 V
Inverter Compatibility	Any UL 1741 Listed Microinverter & UL 1741 Inverter with DC Optimizers						

## Mechanical Data

Weight	13 lbs	15.5 lbs	17 lbs	18.5 lbs	20 lbs	21.5 lbs	23 lbs
Dimensions	20" L, x 10" W, x 3" D						
Enclosure Environmental Rating	Outdoor - IP65						
Connectors	MC4 Connectors, 2 for DC Input and 2 for DC Output						
Operating Temperature	-20 C° to 50 C°						
Certifications	UL Standard 1642, 1973, 9540						
Fire Resistance	Tested for fire resistance as specified in UL Standards 1642 and 1973						

## Battery Information

Rated Storage Capacity	495 Wh	578 Wh	660 Wh	743 Wh	825 Wh	908 Wh	990 Wh
Battery Chemistry	Lithium Iron Phosphate (LiFePO <sub>4</sub> )						

For optimal charging capabilities, the solar modules' maximum power point voltage (Vmp) at normal operating cell temperature (NOCT) should fall within Phazr's optimal panel voltage range as shown above.

