



PEM Fuelcell Stack Hardware

ElectroChem's Fuel Cell Stack Hardware are rugged pieces of hardware designed to be built and re-built by researchers for advanced research in the areas of catalyst, electrode, gas diffusion layer, and membrane electrode assembly development.

| Part No | Active Area | Flow Field | Power output | Application | Weight | Size,cm | Operation Temperature | Connection |
|------------------------------|---------------------|----------------|--------------|-------------|---------|----------|-----------------------|---------------|
| EFC-50-02-7 | 50 cm ² | Serpentine | 100 watt | PEM | 4 kg | 13x13x12 | Max 75 C | 1/4" Swagelok |
| EFC-50-03-7 | | Straight | 100 watt | PEM | | | | |
| EFC-50-04-7 | | Interdigitated | 100 watt | PEM | | | | |
| FC-100-03-3 | 100 cm ² | Straight | 300 watt | PEM | 12.5 kg | 11x18x9 | | |
| EFC-100-03-5 | 100 cm ² | Straight | 500 watt | PEM | 14.8 kg | 11x18x11 | | |
| EC-500-ST | 130 cm ² | Serpentine | 500 watt | PEM | 10.5 kg | 17x24x21 | | |
| EC-1000-ST | 130 cm ² | Serpentine | 1000 watt | PEM | 15.3 kg | 17x24x30 | | |

We also offer custom PEM fuel cell stacks that allow you to modify the stack to meet the total output power of your need. It has a capacity of a minimum of 2 MEAs, and a maximum of 30 MEAs requirements per stack.

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