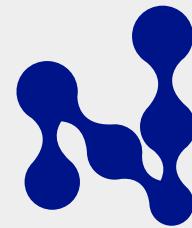


NUSCALE POWER

THE NUSCALE POWER MODULE™ TECHNICAL SPECIFICATIONS

The NuScale Power Module design is based on proven pressurized water-cooled reactor technology and represents a 17-year and \$1.6 billion investment.



NUSCALE™

Power for all humankind

Per Module



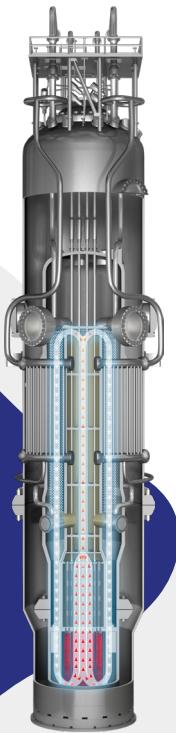
77 MWe (gross)
Electrical Power
generating capability



Capacity factor
>95 percent



76' x 15' cylindrical
containment vessel
with reactor and steam
generator



Technical Specifications

| | |
|-------------------------------|---|
| Plant Operation Objective | 60 years |
| Thermal Power (per module) | 250 MWt |
| Electrical Power (per module) | 77 MWe (gross) |
| Thermal Efficiency | >30 percent |
| Steam Generators Number | 2 independent tube bundles integrated into reactor vessel |
| Configuration | Once through helical |
| Operating Cycle Length | 18-21 months |
| Outage Duration | 10 days |
| Reactor Type | Integral Pressurized Water Reactor |

Containment Parameters:

| | |
|----------------------------|---------------------|
| Design Temperature | 316°C (600°F) |
| Design Pressure | 83 bar (1200 psia) |
| Nominal Operating Pressure | <0.07 bar (<1 psia) |
| Vessel Max Diameter | 4.6 m (15 ft) |
| Vessel Height | 23.2 m (76 ft) |

Reactor Core

| | |
|------------------------|------------------------|
| Fuel Type | UO ₂ |
| Fuel Enrichment | <4.95 percent |
| No. of Fuel Assemblies | 37 (17 x 17 pin array) |
| Core Height | 2 m |
| Coolant | Light water |

Primary System Parameters:

| | |
|----------------------------|---------------------|
| Design Temperature | 343°C (650°F) |
| Design Pressure | 152 bar (2200 psia) |
| Nominal Operating Pressure | 138 bar (2000 psia) |

Secondary System Parameters:

| | |
|------------------------|-------------------|
| Design Temperature | 343°C (650°F) |
| Feedwater Temperature | 93°C (200°F) |
| Turbine Inlet Pressure | 33 bar (475 psia) |

About NuScale Power

NuScale Power Corporation (NYSE: SMR) is the industry-leading provider of proprietary and innovative advanced small modular reactor nuclear technology, with a mission to help power the global energy transition by delivering safe, scalable, and reliable carbon-free energy. As the first and only SMR to have its design certified by the U.S. Nuclear Regulatory Commission, NuScale is well positioned to serve diverse customers across the world.