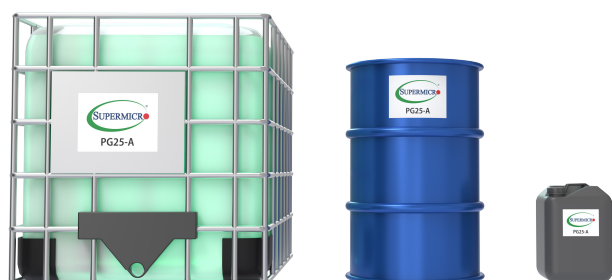


Supermicro Coolant - SMC PG25-A

Advanced High-Performance Coolant Engineered for High-Density Liquid-Cooled AI Systems

Designed to Enhance Cooling Performance and Efficiency for AI Data Centers



- **Long-Lasting, Reliable Performance:** Formulated with 25% propylene glycol and controlled coolant chemistry to support stable thermal performance and extended service life in closed-loop liquid cooling systems
- **Safeguard Critical Components:** Designed to eliminate corrosion of wetted materials under a wide range of temperature and flow conditions
- **High Compatibility:** Engineered to work with the metals, plastics, and elastomers commonly used in PG25 cooling loops, including EPDM and silicone
- **Optimized for Heat Transfer and Pumpability:** Balanced freeze protection, biological growth control, viscosity, and conductivity to support efficient cooling circulation, stable temperatures, and reliable operation
- **Safe Formulation:** PG-based, low-toxicity, and generally non-hazardous

Designed for AI Infrastructure

Supermicro PG25-A is a high performance, proprietary coolant formulation engineered for chemical and thermal stability, supporting continuous operation in computationally intensive environments, particularly for AI data centers. With optimal thermal performance, materials compatibility, and long service life, Supermicro PG25-A helps rack-scale liquid-cooled data center infrastructure perform consistently and reliably throughout its service life, with minimal maintenance downtime.

Freeze Protection & Thermal Performance

Glycol concentration is a key tradeoff: more propylene glycol improves freeze protection but raises viscosity and can reduce heat transfer performance. Supermicro PG25-A uses a controlled glycol level to protect against freezing while preserving viscosity, specific heat, and thermal conductivity for closed-loop liquid cooling. Controlled pH, corrosion inhibitors, and biological-growth control protect liquid-cooled systems and components and help ensure long service life.

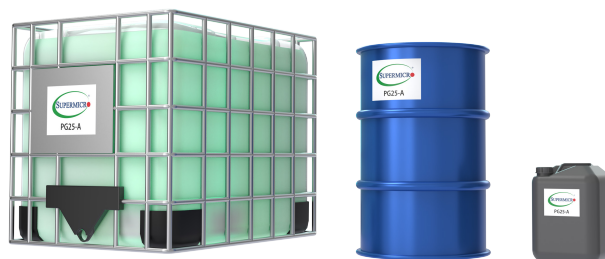
System-Level Compatibility

Supermicro PG25-A is engineered for compatibility with the wetted materials found throughout the cooling loop, including a wide range of metals, plastics, and elastomers such as EPDM and silicone. This breadth of compatibility supports straightforward integration across diverse liquid-cooled system designs and the full range of Supermicro DCBBS liquid cooling components.

Long-Term System Protection

PG25-A provides multi-metal corrosion protection for wetted materials in liquid-cooled systems. It is formulated to limit corrosion, scaling, and biological growth while maintaining coolant chemistry over extended operating periods. Controlled composition and fluid properties help Supermicro PG25-A support long-term cooling-loop durability in demanding data center conditions.

Supermicro Coolant	SMC PG25-A
Type	High-performance synthetic liquid coolant
Application	Direct-to-chip liquid cooling for AI & HPC
Key Features	- Optimized for high heat flux and efficient thermal performance - Broad material compatibility across metals, plastics, and elastomers - Long-term stability for reliable continuous operation
Supply Specifications	20L / 200L / 1000L



Learn More About Supermicro Direct Liquid Cooling & Data Center Building Block Solutions®

Supermicro's Data Center Building Block Solutions (DCBBS) delivers complete, modular AI infrastructure. Built from validated components and sub-systems, DCBBS provides end-to-end deployment flexibility — from individual GPUs and networking switches to complete racks, site infrastructure, management software, and professional services.



In-Rack CDU



In-Row CDU



L2A Sidecar CDU



Water Cooling Tower



Dry Cooler



Rear Door Heat Exchanger