

Server Immersion Cooling

EcoPod



Immersion cooling Pods with 50kW to 200kW heat dissipation in 24U and 42U rack form factors.

EcoPod enables high rack space utilization for Optimizing overall footprint needs and lowering carbon emissions

Up to 95% reduction in cooling energy needs compared to other methods

PUE of up to 1.05 with Full & Partial pod loading

Dielectric coolant with an operating life of >10yrs.

Technical Specifications

Product Series	EcoPod 24 / EcoPod 42
Server Rack Space	24U / 42U
Cooling Capacity	Up to 50kW (24U) / 200kW (42U)
Cooling System Efficiency - PUE	< 1.05
Redundancy	Pumps, Heat Exchanger, Controller - 2N Dry / Adiabatic Cooler - N+1
Pod dimensions (W X D X H)	EcoPod 24 - 1450mm X 820mm X 1245 mm EcoPod 42 - 2050mm X 935mm X 1245 mm
Pod weight with Coolant	1000 kg (24U) / 1700 kg (42U)
CDU dimensions (W X D X H)	1550mm X 800mm X 2100mm
CDU weight	Up to 350kg
Heat Rejection Mechanism	Dry / Adiabatic Cooler / Chilled Water Loop
Dry Cooler	Up to 35 °C Ambient Temperature
Adiabatic Cooler	Up to 45 °C Ambient Temperature
Chilled Water Loop	Water temperature range 15 °C - 30°C

Product Series	EcoPod 24 / EcoPod 42
Operating Conditions	
Ambient Temperature	Up to 55 °C
Power Requirements	
Coolant Distribution Unit (CDU)	1 Phase, 240VAC, 50Hz
Energy Consumption CDU	up to 1.2kW (24U) / 4.8kW (42U)
Dry / Adiabatic Cooler	3 Phase, 380-480VAC, 50Hz
Avg Energy consumption Cooler	up to 1.3kW (24U) / 5.2kW (42U)
Site Preparations	
Floor	Levelled Floor Floor strength - 1400 kg /m2
Access to Power	As per site configuration for Pods, CDU & Coolers
Access to water	For Adiabatic cooler & Chilled water loop
Remote Monitoring	
BMS Integration	Modbus, TCP/IP, BACnet

(Note : All dimensions are for indicative purposes and are subject to change without notification)