

LIAT NC Series New-Energy Test Thermo-Chiller

HPS012-W-32F/ HPS008-W-32W/ HPD008-W-32W-L4-CW

Comprehensive Energy
Thermal Management

Specialized

Energy Storage
Solar PV
EV Charging

Versatility

Temperature Cycling &
Independent
Circuit Control

Flexibility



New Energy Engineered

Specifically developed for energy storage systems, PV manufacturing, charging infrastructure, and hydrogen production, covering -40°C ~ +85°C for battery thermal management and process cooling



Full Series Flexible Selection

NCD303 deep-cool 3KW@-30°C, NVD402 ultra-low 2KW@-40°C, NVS006 compact 2KW@-10°C, NVS030 high-power 30KW@20°C, from R&D to production lines



Wide-Range High Accuracy

$\pm 0.1^{\circ}\text{C}$ steady-state accuracy across all models, adapting to variable load conditions in new energy applications, ensuring temperature consistency in battery testing, PV processes, and storage systems



Inverter Energy Efficient

Standard inverter compressors with PID compound control, modulating output based on real-time thermal load, reducing long-term operating electricity costs for new energy facilities

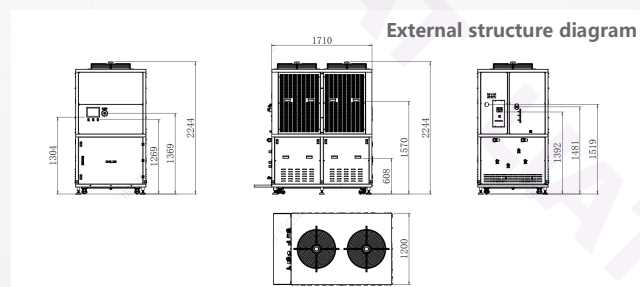


NVD402-A-33

SEMI Standard
S2, S8



TÜVRheinland®
Precisely Right.



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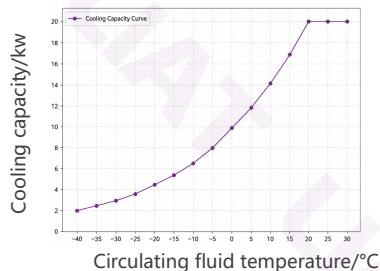
Building 1, Wujiang Comprehensive Bonded Zone, No. 688 Pangjin Road, Wujiang District, Suzhou, Jiangsu Province, China



LIAT NC Series New-Energy Test Thermo-Chiller

Model	NVD402-A-33	NCD303-W-33
Cooling Method	Air-Cooling	Water-Cooling
Control Mode	PID Control	
Temperature Control Range	CH1/ CH2:-40°C~+85°C	-30°C~+85°C
Precision	±0.1°C	±0.1°C
Refrigeration Capacity	CH1/ CH2: -40°C@2 KW 20°C@20 KW	-30°C@3 KW 20°C@20 KW
Heater	CH1/ CH2: 8kW	CH1/ CH2: 20kW
Tank	CH1/ CH2: 20L	CH1/ CH2: 20L
Circulating Liquid Flow Rate	CH1/ CH2: 1~30L/min(0.3Mpa)	CH1/ CH2: 1~30L/min(0.3Mpa)
PCW Traffic	/	CH1: 50~80 L/min@15~25°C CH2: 50~80 L/min@15~25°C
Types of Circulating Fluid	Ethylene glycol mixture	Ethylene glycol mixture
Refrigerant	R404A	R404A
Circulating Liquid Interface	CH1/ CH2: Rc3/4"	CH1/ CH2: Rc3/4"
PCW Interface	/	CH1/ CH2: Rc1"
External Dimensions (mm)	1200W*1800D*2250H	1000W*1500D*1900H
Input Power Supply	3Ph,380-400V,50Hz	3Ph,380-400V,50Hz
Machine Power	42kW	66kW
Net Weight	850kg	800kg

Cooling capacity curves at different temperatures



Pump Performance Curve



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