



Series

# VRH Rack-Mounted

Two-stage DC and AC-powered rack-mounted heater for critical infrastructure enclosures



## Main features

- RS485 port communication interface with Modbus protocol
- Designed for reduced starting current
- Integrated controller functionality with display for user-interface
- Available in 48 VDC and 220 VAC
- 1,000 – 2,000 W | 3,400 – 6,850 BTU nominal heating capacity options
- Low weight: 3.0 kg / 6,6 lbs.
- Aluzinc material with RAL color 9016 as standard; other colors optional
- ETL / cETL Listed

## Application

Designed for enclosures with sensitive electronics that need strict thermal control

- Telecommunications equipment
- EDGE data center solutions
- Energy Storage Solutions
- Industrial automation
- Security and defense systems

## Standards, tests and approvals

- CE
- IP20
- UL / cUL
- RoHS / REACH / CLP

## Contact Vikinor

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- [www.vikinor.com](http://www.vikinor.com)

## Controls

- User-friendly interface w. display
- RS485 port Communication interface with Modbus protocol
- Password protected set point adjustment
- Low-voltage and high-voltage protection function
- Fan speed control function
- General alarm output and fan fault alarm
- Quick start function with special heater relays
- Automatic power-on self-test function

## Easy to install

- 19" and 23" rack-mounted configurations with included universal mounting accessories

Series

# Features for VRH Rack

Standard and optional features for all products in the VRH Rack series

Features		
	Standard	Optional
Aluzinc material with RAL color 7021	✓	
Self-test functionality	✓	
Over-voltage and under-voltage protection	✓	
User-friendly interface w. display	✓	
Day and night-time operation modes	✓	
Password protected set point adjustment	✓	
Fan speed control function	✓	
Quick start function with special heater relays	✓	
General alarm output and fan fault alarm	✓	
Modbus RTU	✓	
Reversible mounting tabs for 19" and 23" configurations	✓	
Customer control parameter settings		✓
Product material: aluminum, stainless steel		✓
Increased corrosion protection		✓
Custom RAL color coating, texture and gloss factor		✓



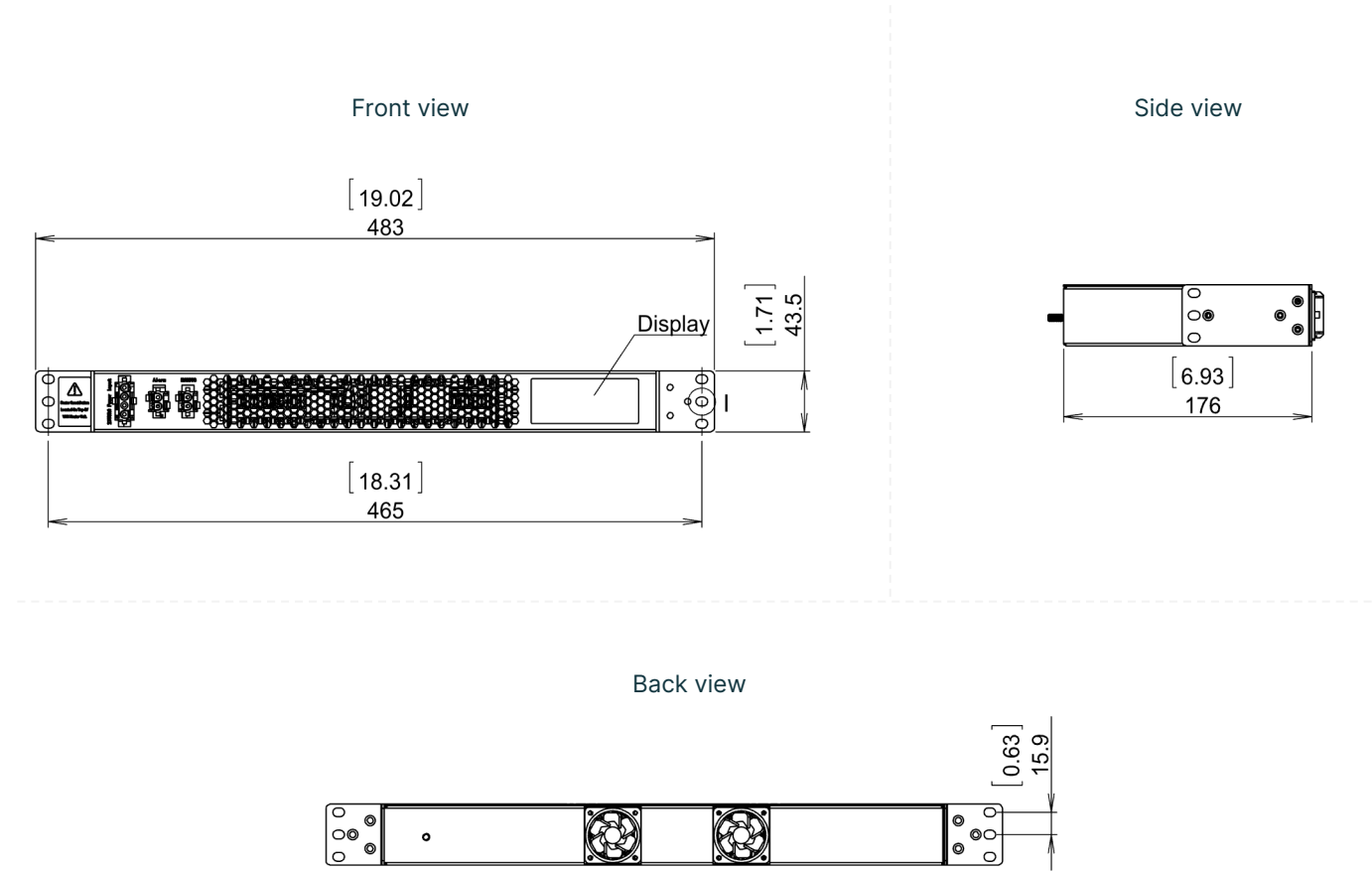
# VRH 1000 AC Rack

A2 model specifications

Product series name	VRH 1000 AC Rack	
Model	A2 – 230 VAC	
Part numbers		
Modbus RTU	1849203	
Heating performance		
	Watt / BTU	
Nominal	1,000 / 3,400	
Heater size	1,000 W	
	m3/hr.	CFM
Air flow, max	80	47
Electrical data		
	VAC	
Nominal voltage	208/230	
Operating range	187-253	
	Watt	
Power Consumption	1,045	
	Amp	
Rated current	4.6	
Starting current	9.6	
Ambient temperature range		
	°C	°F
Minimum	-40	-40
Maximum	65	149
Unit design		
Material	Standard: Aluzinc Steel (Optional: SGCC/Stainless Steel/Aluminum)	
Finish	Powder Coat RAL 7021 Black Grey	
Protection	IP 20	
Agency Approvals / Standards	UL / cUL / CE / RoHS / REACH	
Noise Level at 1.5 Meters. dB(A)	56	

Product series name	<a href="#">VRH 1000 AC Rack</a>	
Model	A2 – 230 VAC	
Controller		
Description	Advanced control system; variable speed; MODBUS; display	
	°C	°F
Heating setpoint 1	10	50
Heating setpoint 2	5	41
Unit dimensions & weight		
	mm.	in.
Height	44	1.7
Width	483	19
Depth	177	7
	kg.	lb.
Weight	3.0	6.6

Product dimension in mm (in.)



360° rotation view

