

19" 33kW ORv3 Power Shelf

CPR-3331 Series

For NVIDIA Blackwell Architecture



KEY FEATURES

- High Efficiency: 96.5%
- Output power
 - 33kW with N+0 / 27.5kW with N+1
- Rectifier: 5.5kW x 6 PSU (Minimum redundancy: N+1)
 - EDPP: 180%(500µs), 150%(50ms), 110%(60ms) - repeat over 10 seconds.
- A monitoring module (PMC) to oversee and regulate rectifier parameters
 - Sits on power and battery shelves (BBU)
 - Has BMC (ASPEED 2620)
 - Downstream through silver straddle connector
- Multiple Shelf Support (Shelf to Shelf):
 - Power Shelf ↔ Power Shelf (Up to 8 shelves)
 - Power Shelf ↔ BBU Shelf
- Highly accurate droop + active current sharing
- Direct connection to tap-box / facility – no intermediate PDU

INPUT

Voltage	AC input: 200 - 277V L-N 346 - 480V L-L(3W+N+PE)
Frequency	50 - 60Hz

OUTPUT

Parameter	50Vdc / 660A
Max Power	33,000W
Ripple & Noise	500mVp-p

ENVIRONMENTAL

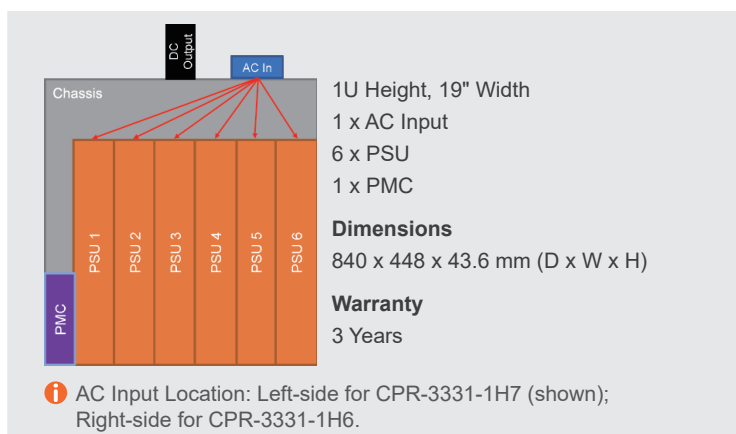
Temperature	Operating : -5°C to 45°C Non-operating : -40 to 70°C
Altitude	Operating: 0 to 3,050 meters (10,000 feet) Non-operating: 0 to 10000 meters
Relative Humidity	Operating & Storage: 10% - 90% RH, non-condensing

SAFETY AND COMPLIANCE

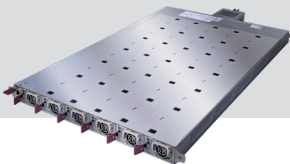
UL, TUV, VDE, FCC, ICES-003, CISPR



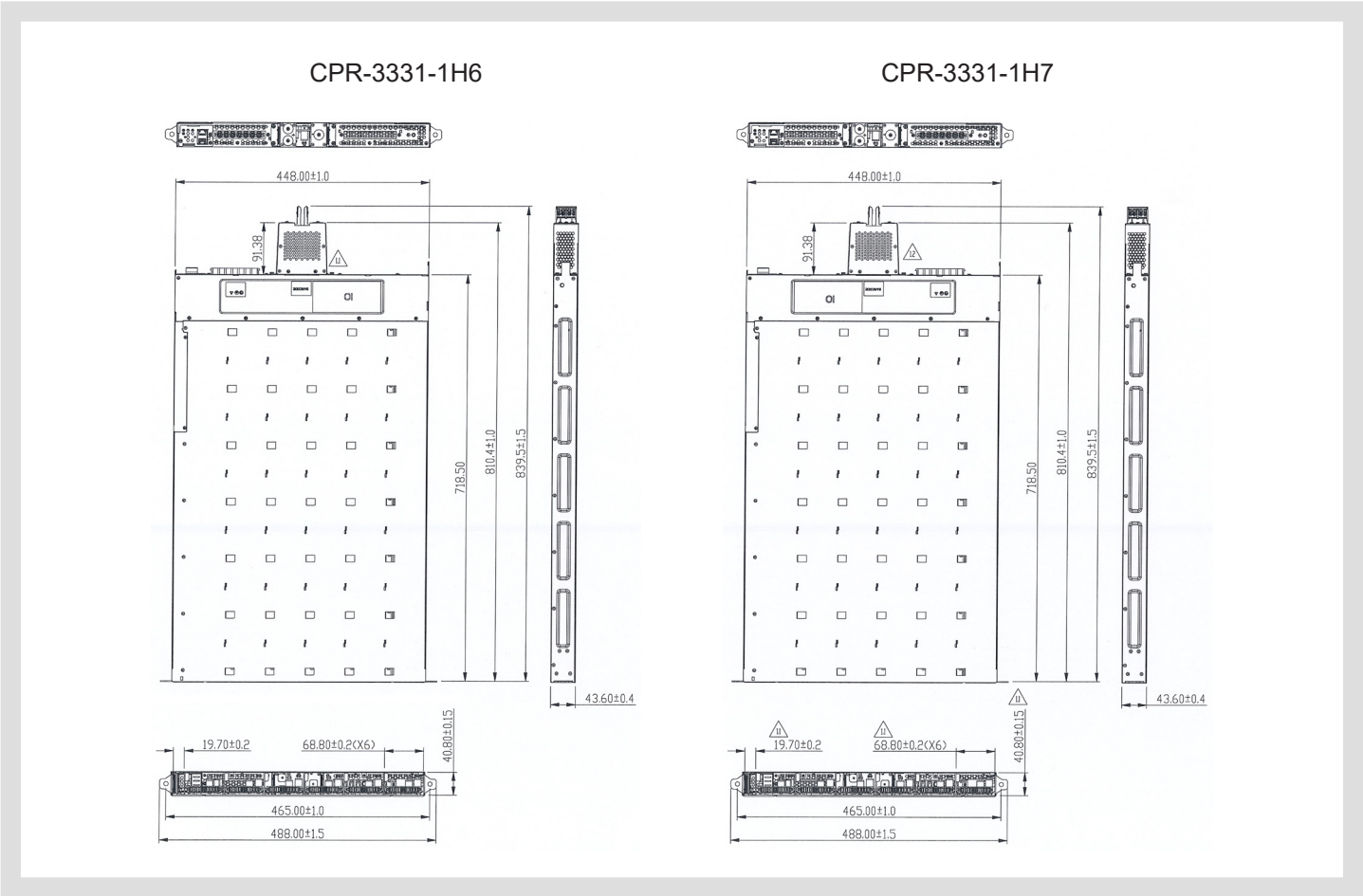
BASIC SPECIFICATIONS



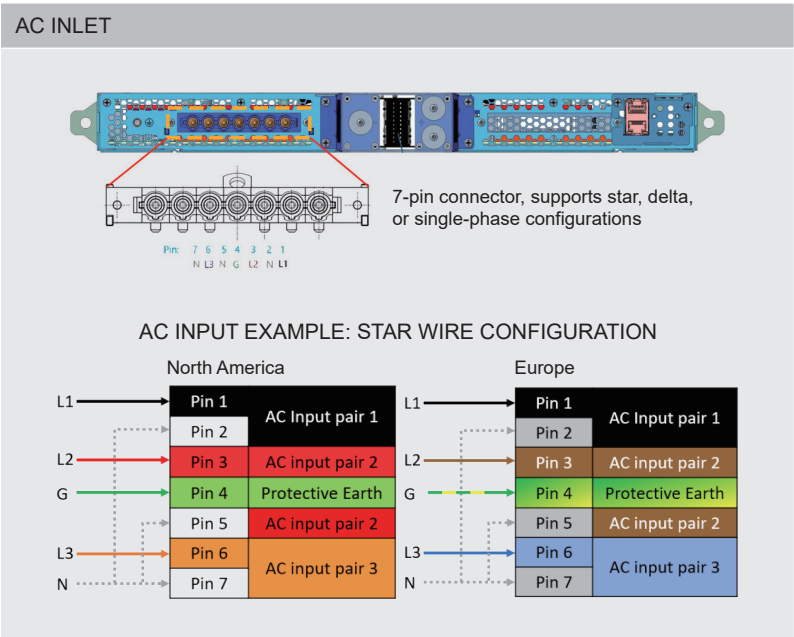
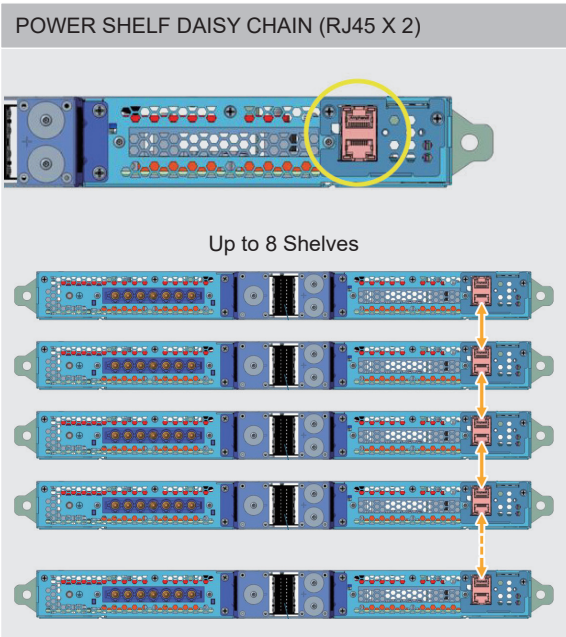
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MECHANICAL DRAWING



CONNECTORS



AC Input Location: Left-side for CPR-3331-1H7 (shown); Right-side for CPR-3331-1H6.



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