

25 kW Dual SmartLoad || BN 546434C0200

Two independent liquid cooled loads share a common cooling system.

Coaxial load with intelligent control:

- Standby function
- Pump and fan activated only when needed
- Super fast self protection
- Inputs can be powered in parallel with maximum 25 kW in total
- Individual interlock loops for every input
- Single phase power supply
- Rear and side walls can be covered
- Outdoor heat exchanger available optionally



(typical design)

Operating modes

Standby and RF power approx. 80 W	natural cooling without pump or fan *
RF power approx. 80 W to approx. 800 W	pump only *
RF power approx. 800 W to 25 kW	pump and fan *

* Depending on the ambient temperature and the RF power applied, the pump and/or fan can switch on at any time and switch off again according to the required cooling capacity.

Radio frequency characteristics

Interface type	3 1/8" EIA (50 Ω) per IEC 60339-2, facing upwards (4 1/2" EIA necessary for P ≥ 23kW and f ≥ 700 MHz; order adapter BN 715010)
Frequency range	DC to 860 MHz
Average power rating, max. (total, both inputs)	25 kW
Proof voltage, max.	17 kV
VSWR, max.	1.04 @ DC to 108 MHz or 1.04 @ 108 to 470 MHz or 1.04 @ 470 to 860 MHz or 1.08 @ DC to 860 MHz

Cooling Aggregate

Mains supply:	Mains voltage Mains frequency Real power consumption Nominal current, max.	230 V ±10%, L, N, PE 50/60 Hz 25 W (standby), 1.5 kW (full operation) 12 A
Mains panel connector		male power socket, acc. IEC 60320-1 (C20)
Interlock loop connection		two-pole connector with screwlocking acc. IEC 60130-9, Co. Binder, series 581/680/682, TYP 09-0303-00-02, or at termination block inside control box
Interlock loop contact load		SELV per IEC 60950-1 max. 42.4 V AC _{pk} / 60 V DC max. 1 A
Heat exchanger		25 kW special SPINNER single ventilator type
Noise level, approx.		79 dB (A)
Product Manual		M36485
Weight, approx.		150 kg

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Environmental conditions

Operation	
Operational environment	operating sites with limited access, indoor only
Ambient temperature range	-10 to +45°C
Relative humidity, max.	95% (non-condensing)
Altitude, max.	2286 m
IP protection level	IP20 per EN 60529
Storage and transport	
Ambient temperature range	-20 to +70°C
Relative humidity, max.	95% (non-condensing)

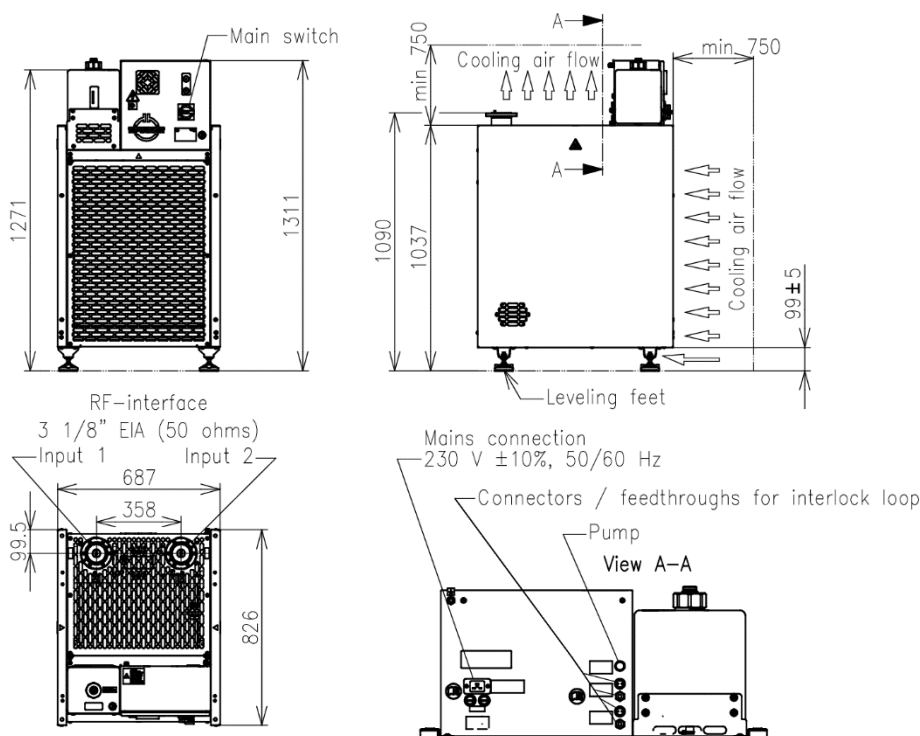
Coolant

Capacity of cooling circuit, approx.	15 litres (dummy load supplied in filled state)
Chemical composition, brand	mixture of distilled water, 39 Vol. % ethylene glycol and corrosion inhibitor, ANTIFROGEN N
Density (temperature sensitive)	1.054 kg/dm ³ @ +20°C

Scope of delivery and accessories

Scope of delivery	mains cable connector interlock cable connector product manual material safety data sheet of the coolant	
Spare parts	mains cable connector interlock cable connector coolant 30 litres canister ANTIFROGEN N	BN A75602 BN 102964 BN A74423

Outline (all dimensions in millimeter)



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