

Auxiliary inverter , single inverter

inverter.aux_inverter.single_inverter.28kva:

Power Data:

- AC output power @ 570 V DC : 28 kVA,
- DC output power @ 570 V DC: None,
- Nominal DC voltage: None,
- DC input voltage range: 450 – 850 V,
- max. AC output voltage @ 3 AC: 500 V,
- Rated current @ 4 kHz : 40 A,
- Peak current for 60 s @ 4 kHz : 48 A,
- Peak current for 1 s @ 4 kHz: 60 A,
- Output frequency : 0 – 599 Hz (optional up to 1,200 Hz),
- Control supply voltage : 24 V DC ($\pm 20\%$) optional 12 V DC ($\pm 20\%$),
- Ambient temperature : -25 to 85 °C (beyond 45 °C with derating),
- Coolant temperature : -25 to 55 °C

CONTROL HARDWARE:

- Analog I/O: 2x IN (± 10 V or ± 20 mA) and 2x OUT (± 5 V, max. 5 mA)
- Digital I/O : 4x IN / 4x OUT / 4x IN/OUT,
- Service interface: RS485,
- Communication interface : CANopen / SAE J1939,
- Motor temperature control : PTC, PT1000, KTY,
- Encoder system : Resolver, HTL, TTL, sine/ cosine encode,
- Resolver input voltage: 7 Vrms ,
- Transformation ratio for resolver: 0.286 or 0.5

Mechanical Data:

- Dimensions w/o connectors [L × W ×H]: 354 × 300 × 105 mm [L × W ×H],
- Weight : 7.5 kg,
- Degree of protection : IP67 (IP6K9K as option),
- Type of cooling: Liquid: water-glycol

APPLICATIONS:

- Public transportation
- Construction equipment
- Commercial vehicles
- Municipal vehicles

