

ACE-3 inverter



The ACE3 Inverter is suitable for reach and counterbalanced trucks with single or twin drive motors pickers and tow tractors fitted with asynchronous motors up to 30kW.

Technical details

Power section

Power supply: 36V 48V 80V 96V 120V

Maximum current ACE3:

- (36V, 48V) 600 Arms (2')
- (72V, 80V) 450Arms (2')
- (96V, 120V) 400Arms (2')

Maximum current ACE3 PW:

- (72V, 80V) 550Arms (2')
- (96V) 500Arms (2')

Ambient Temperature range: -40° +40°C

Maximum heatsink temperature: 85°C
(starts to reduce current)

Mechanics

ACE2 dimensions: 200x230x90 mm

ACE2 heatsink dimensions: 200x230x110 mm

Connector: 1 Ampseal (2 premium version)

Protection: IP65

Available with Al base plate or with fitted heatsink

I/O (standard version)

3 Digital inputs; connection: active to +Batt.

2 Digital inputs; connection: active to –Batt.

2 Analog inputs (input range 0 ÷ 12 V)

1 Incremental encoder port

1 Analogue motor thermal sensor input

3 Outputs driving to - BATT:

I/O (premium version)

5 Digital inputs; connection: active to +Batt.

5 Digital inputs; connection: active to –Batt.

5 Analog inputs (input range 0 ÷ 12 V)

1 Incremental encoder port

1 Analogue motor thermal sensor input

3 Digital inputs for Hall sensor (BLDC motor control)

2 An. Inp. – Sin/Cos speed sensor (PMAC motor control)

3 Outputs driving to - BATT:

5 Outputs driving to –Batt, 1 A continuous, PWM voltage control

Other features

double microcontroller architecture

Flash memory embedded

Can interface (2 in premium version)

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