



KEY FEATURES

- Maximum continuous power of 120A
- 24 Inputs / 24 Outputs
- 3 CAN 2.0B port
- IP60 or IP64
- Self-protected controller
- Programmable in C language
- Available in J1939

TECHNICAL OVERVIEW

INPUTS / OUTPUTS

24 Inputs – Software configurable

- (4) Digital: High Side, Analog: 0-5V
- (2) Digital: High Side, Analog: 0-5V, Impedance
- (2) Digital: High Side or Low Side
- Analog: 0-32V, Wake-up
- (2) Digital: High Side or Low Side
- Analog: 0-32V, Frequency
- (14) Digital: High Side or Low Side
- Analog: 0-32V

24 Outputs – Software configurable

- (4) Sourcing 10A: Digital, PWM (1%),
Sinking 10A: Digital, PWM (1%)
- (2) Sourcing 20A: Digital, PWM (1%)
- (8) Sourcing 15A: Digital, PWM (1%)
- (10) Sourcing 6A: Digital, PWM (1%)

COMMUNICATION

- 1 CAN 2.0B port J1939
- 2 CAN 2.0B port (Configurable Protocol)
- USB type C (update)
- BLE (diagnostic)

DC SUPPLY

- Reverse polarity protection
- Operating supply voltage: 9 to 32 V
- Voltage reference: 10V (default) or 5V

CURRENT CONSUMPTION

- Normal operation: 50 mA
- Sleep mode: 2mA

OPERATING TEMPERATURE

- Operational temperature: -40°C to +80°C

PROTECTION RATING

- IP60 (default) or IP64

MEMORY

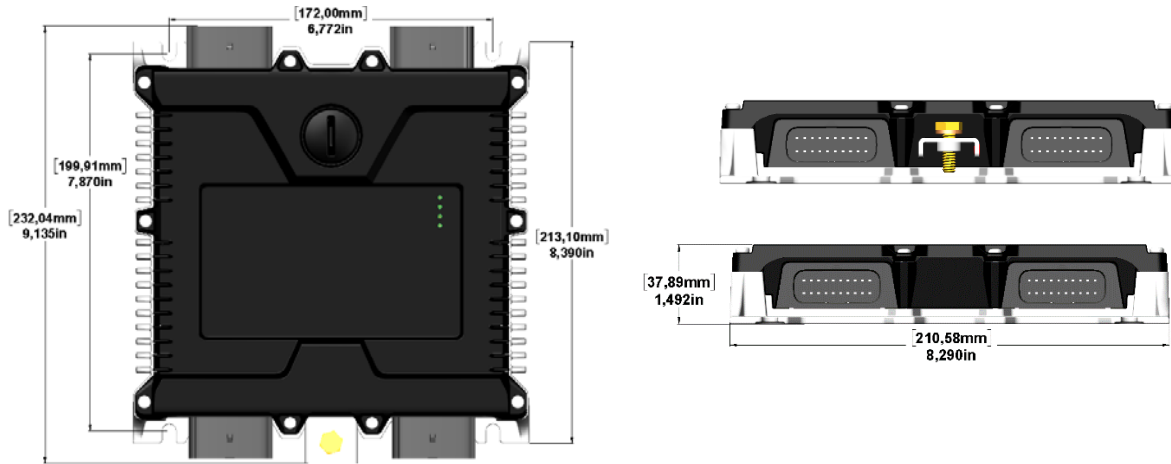
- 2M byte Flash EEPROM
- 4K byte EEPROM
- 256K byte RAM

DEV. TOOLS

- Programmable in C language through VisionPlexIII™ software

MOUNTING

- Standard 1/4-20 bolts



MATING CONNECTOR(S)

33472-2001	20 positions Type Female (Black) Manufacturer Molex MX150
33472-2002	20 positions Type Female (Light Grey) Manufacturer Molex MX150
33472-2003	20 positions Type Female (Brown) Manufacturer Molex MX150
33472-2004	20 positions Type Female (Green) Manufacturer Molex MX150
POWER STUD	Ring terminal Connector 1/4 Stud Circular 2AWG Crimp
USB Type C	USB Type-C Cable

PRODUCT CHART

Controller 120A - 24I/24O	PR2820-00-00-S00
Generic Harness 2m	PHG02820-PM0AAA-020

For more information, refer to product specification sheet or contact a sales representative