L11Y0101 AC Variable Drive Inverter for Battery Control 600VDC 650A

Pempek's AC Variable Frequency Drive for high-performance control of 600V induction motor in demanding industrial applications.

Each single drive module contains a DC link and an inverter.

- Four quadrant operation with full regeneration
- Integrated pre-charging unit
- Integrated safety relay
- Isolated CAN interface with CANOpen protocol
- Two CAN connectors to enable daisy-chaining of bus.
- Method for externally setting the CAN Sub ID for the module
- Motor temperature monitoring
- Sophisticated direct torque control
- Sensorless vector speed control
- Maximum torque at zero speed
- Two-times of overload capability
- Water cooling
- 24V control power

Typical Application

- Continuous Bolter/Miners
- Longwall Shear
- Shuttle Car
- Continuous Haulage
- Mobile Bolters
- Mobile Roof Supports
- Remote Control Scoops
- Remote Control Loaders
- Any industrial AC Motor application within power specification

Specification Chart

Pempek VFD	VFD rated voltage	Max current	Suitable motor Max power @1140V	Suitable motor Max power @960V	Suitable motor Max power @860V	Suitable motor Max power @660V	Suitable motor Max power @460V	Suitable motor Max power @380V	Dimension
L11Y	600V	650A	N/A	N/A	N/A	N/A	159KW	130KW	370x365x204
L0W4	1140V	200A	150KW	133KW	119KW	91KW	64KW	52KW	462x372x200
L0TJ	1140V	300A	230KW	200KW	178KW	178KW	137KW	79KW	610x370x213
L0UP	480V	500A	N/A	N/A	N/A	228KW	159KW	130KW	700x325x168
L11W	660V	500A	N/A	N/A	N/A	228KW	159KW	130KW	430x350x201
L124	1140V	400A	150KW	133KW	119KW	91KW	64KW	52KW	733x350x200

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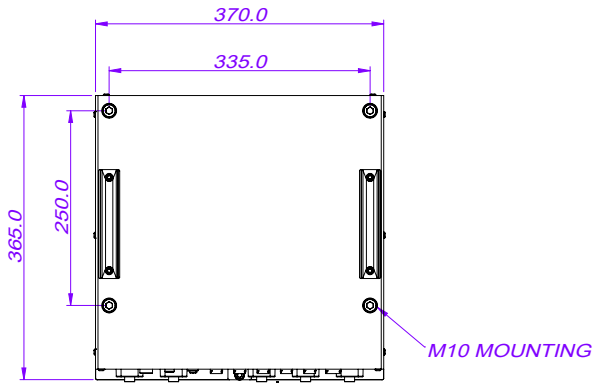
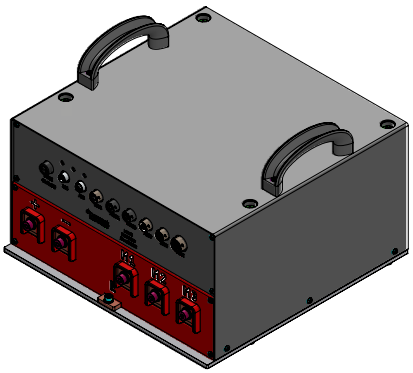
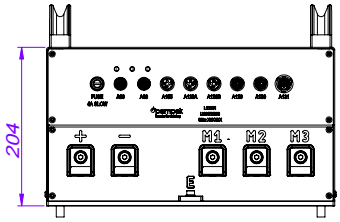
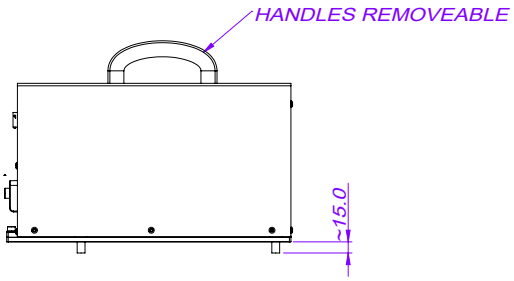
Dimensional Drawings (mm)









Typical Application Example