

## Custom Designed Industrial Inverter

**FARPOO**  
*Energy*

**Our industrial high-power full sine wave inverter systems are specially designed for different industrial applications. Our inverters can easily drive high-power capacitive and inductive loads. Furthermore, using zero delay automatic static bypass switches, we ensure a safe and continuous power load without any interrupt. Custom designed and manufactured up to 500KVA power, based on customer requirements.**

### Key Features

- Up to 500KVA power, Specified by customer.
- High reliability with full industrial design
- Galvanic isolation design
- User-friendly system monitoring
- Automatic static bypass switch with zero delay time
- Full sine wave
- %92 maximum efficiency
- Full capacitive & inductive operating load
- IEC standard compliant
- Different protection levels:
  - Short circuit
  - Reverse battery polarity
  - Overload
  - Under/Over voltage for Input/Output
  - Current limit



### General Specifications

Input DC voltage	48/110/220/360/400/480 Vdc or other (specified by customer)
Input bypass AC voltage	110/220/380/400/440 Vac or other (specified by customer)
No. of bypass AC input phase	Single or 3 phases (specified by customer)
Output voltage	110/220/230/380/400 or other (specified by customer)
No. of Output phases	Single or 3 phases (specified by customer)
Output frequency	50 Hz
Allowed transient load, during 2 sec. at P.F 0.7	200% @ 6 sec.
Output voltage variation allowed	±2%
Output frequency variation	0.02% free running
Efficiency at rated load and 400Vdc input Voltage	maximum %92
Over load capacity and time	Specified by customer
Type of output filter	LC
Galvanic isolation on Bypass	Optional
Stabilizer on bypass	Optional
Overall dimensions of Inverter rack (D*W*H)	800*800*1800mm / 800*600*1800mm 800*400*1800mm / 450*600*1000mm
Colour of panels	Ral7032 / Ral7035 or other (specified by customer)
Degree of protection	IP42 or more (specified by customer)
Storage Temperature	-20 to 70°C
Operating Temperature	-10 to 50°C
Relative humidity	0 to 95% without condensation
Audible noise at 1 meter	≤68 dBA

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