

| Specification – PXe Series Static Frequency Converter |                                                                                                      |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Model                                                 | PXe-110005                                                                                           |
| Capacity                                              | 5kVA                                                                                                 |
| Phase                                                 | Single Phase in/ Single Phase out                                                                    |
| <b>Input</b>                                          |                                                                                                      |
| Nominal Voltage                                       | 230V (L-L) $\pm 10\%$ , 1 phase +N                                                                   |
| Acceptable Range                                      | 217-243V (L-L)                                                                                       |
| Frequency                                             | 50Hz                                                                                                 |
| Power Factor                                          | > 0.8 (Standard)                                                                                     |
| <b>Output</b>                                         |                                                                                                      |
| Nominal Voltage                                       | 115V, 1 phase +N                                                                                     |
| Rated Current                                         | 43.47A per phase @ 115V                                                                              |
| Frequency                                             | 60Hz                                                                                                 |
| Voltage Accuracy                                      | < $\pm 1\%$ FS (Full Scale)                                                                          |
| Frequency Accuracy                                    | < $\pm 0.1\%$ FS (Full Scale)                                                                        |
| Total Harmonic Distortion (THD)                       | THD < 3% @ Linear Load, pure sine wave output                                                        |
| Crest Factor                                          | 3:1                                                                                                  |
| Overload Capacity                                     | 100% continuous, <110% - 15 minutes,<br><125% - 10 minutes, <150% - 1 minute,<br><200% - 5 seconds   |
| Interface                                             | None for standard units<br>RS232C/ RS485/ GPIB (Optional)                                            |
| Protection                                            | Over Current, Over Load, Over Voltage,<br>Over Heat, Short Circuit, Alarm and<br>Indicators          |
| Enclosure IP                                          | IP22 (Standard)                                                                                      |
| LED/ LCD Display                                      | Digital Frequency Meter<br>Digital Voltage Meter<br>Digital Current Meter<br>Digital Power/ PF Meter |
| Connectors                                            | Hard-Wire Terminals, EN60309, MIL-STD,<br>or client choice                                           |
| <b>Environment</b>                                    |                                                                                                      |
| Temperature                                           | Operational: -10C~55C<br>Ambient: -10C~45C                                                           |
| Noise                                                 | <65dB at 1 meter, EN55022, IEC1000-4                                                                 |
| Humidity                                              | 10~90% non condensing                                                                                |

|                                                                                                |                                                                                                            |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Cooling                                                                                        | Variable speed fan, air intake in base, exhaust at rear                                                    |
| Altitude                                                                                       | <1800 meters                                                                                               |
| Castors or Feet                                                                                | 0.5-3kVA have rubber feet and lifting handles, 4kVA+ have castors with front brakes. A/Vs or feet optional |
| <b>Reliability &amp; Efficiency</b>                                                            |                                                                                                            |
| Mean Time Between Failure (MTBF)                                                               | 50,000Hrs                                                                                                  |
| Mean Time to Restore (MTTR)                                                                    | <30 minutes                                                                                                |
| Overall Efficiency                                                                             | >85%                                                                                                       |
| <b>Dimensions and Weight</b>                                                                   |                                                                                                            |
| Dimensions                                                                                     | 430x550x430mm                                                                                              |
| Weight                                                                                         | 55kg                                                                                                       |
| <b>Standards</b>                                                                               |                                                                                                            |
| CE                                                                                             | CE Marked, UL Conforming                                                                                   |
| GB 50054-95, GB 50150-1991, GB 50150-2006, GB 50171-1992, GB/T 16935.5-2008, GB/T 16935.4-2011 |                                                                                                            |
| EN IEC61000-3-2, EN 6100-3-3, EN55032, EN55035, MIL-STD 461, MIL-STD 704, STANGAG 1008         |                                                                                                            |

