

### PRODUCT OVERVIEW



### IPSi1200X-250 & IPSi2400X-250

The IPSi 250VDC series Intelligent Pure Sinewave Inverter is designed specifically for Steel Mill applications. It produces pure sinewave AC power, identical to that from a conventional AC outlet.

This unit features ruggedization, wide temperature range and low input voltage warning with shutdown circuitry to protect the power source. While the Inverter is safeguarded by high voltage and over temperature protection both with shutdown circuitry. All alarm conditions can be monitored on the bright LED indicator display on the unit's front panel.

### Available models

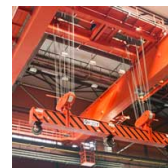
#### Input

200-350VDC, Up to 450VDC Spikes

#### Output

110VAC 60Hz

### Applications



- Steel Mill
- Crane

## TECHNICAL SPECIFICATIONS

INPUT	IPSi1200X-250-110	IPSi2400X-250-110
Nominal	250 VDC	250 VDC
Actual (Vdc)	200-350VDC, Up to 450VDC Spikes	
Input Amps (max)	8	16
<b>OUTPUT</b>		
Nominal Voltage	110 VAC	
Actual Volts	110 ± 10 VAC (user-adjustable)	
Max Amps	10A (cont.) / 12A (peak)	20 A (cont) / 24 A (peak)
Output Frequency	60.00 Hz ± 0.01 Hz (user-selectable)	
Output Distortion	< 2% at full load - resistive load	
Regulation (Line & Load)	< +/- 2.0%	
Duty Cycle	Continuous: 100% for 24 hrs per day / Peak: 10% for 1 min per hr	
Efficiency	90% @ Maximum Output	
Transfer time	< 19 milliseconds (Off-line UPS Option)	
<b>MECHANICAL</b>		
Length	18.68 in / 47.45 cm	
Width	11.75 in / 29.85 cm	
Height	5.60 in / 14.22cm	
Clearance	1.0 in / 2.5 cm (all around)	
Weight	52.5 lb / 24.0 kg (estimated)	
Material and Finish	Black Anodized Marine Grade Aluminum	
Fasteners	18-8 Stainless Steel	
Mounting	Shelf Mount	
Connections	<b>DC Input:</b> Red and Black Phoenix VDFK 4 Feed Through Connectors AC <b>Output (1):</b> Phoenix VDFK 4 Feed Through Connectors <b>AC Output (2):</b> NEMA 5-15 Receptacle	<b>DC Input:</b> Power Stud Blocks Marathon ST722B2502UH with 1/4" - 20 Stud <b>AC Output (1):</b> 30A hardwire connection Phoenix VDFK 4 Feed Through Connectors <b>AC Output (2):</b> 2 x NEMA 5-20 receptacle
<b>ENVIRONMENTAL AND SAFETY</b>		
Operating Temperature	-40°C to +55°C wide temperature range	
Isolation	Input to Chassis, Input to Output, Output to Chassis: 1500 VDC	
Humidity	0 - 95% Relative Humidity (non-condensing) with standard conformal coating	
Audible Noise	34.5dB @ 3 feet / 1 meter (fan dependant)	
Warranty	Five Years	
Safety	Built to meet CSA 22.2.107.1 & UL458 standards	

## OPTIONS

- Offline UPS Functionality
- Safety Special Inspection (CSA/UL)

## DIMENSIONS

