

50 Hz Power Source

Rack/Tower Universal Design

500, 1000, 1500 Watt

Frequency Converters

*Models programmed for 50 or 60 Hz Output
independent of input source frequency.*



The UniStar® C features a field-proven Digital Signal Processor (DSP) achieving high reliability, while providing protection from electrical power disturbances to the connected load. The convertible tower/rack design offers maximum flexibility. These models come programmed for 50 Hz Outputs. These units are ideal for testing equipment under the same operating conditions as they will operate in countries that use 50 Hz power.

Combine with one of our Variac® Variable Transformers for a fully adjustable 50 Hz Power Source.

**STACO
ENERGY
PRODUCTS CO.**





- **Tower/Rack Mount Convertible Design**
- **Compact and Lightweight**
- **Advanced Digital Control Technology**
- **Wide Input Voltage and Frequency Ranges**
- **Near Unity Power Factor**
- **Pre-configured for 50 or 60 Hz Output at ISE**
- **Combine with Our Variac® Transformers for a Fully Adjustable 50 Hz Source AC Voltage Source**



The UniStar® C represents the latest in single-phase technology at an affordable price. Its true on-line performance continually provides a constant clean, steady 50 Hz sine wave output to fulfill your testing requirements.

Three Year Warranty

A full Three Year parts with depot repair or replacement warranty is standard.

Specifications & Ordering Information

Model: USC10001-LB50 USC20001-LB50 USC30001-LB50 USC10002-LB50 USC20002-LB50 USC30002-LB50

INPUT						
Voltage Range	60Vac – 144Vac Software Selectable			120Vac – 288Vac Software Selectable		
Frequency	60 Hz					
Phase/Wire	Line + Ground					
Power Factor	>0.99 at Rated Full Linear Load					
Transfer Time						
AC Leakage Current	5mA			<3.5mA		
Surge Protection	400 joules			300 joules		

OUTPUT						
Capacity	500 Watts	1000 Watts	1500 Watts	500 Watts	1000 Watts	1500 Watts
Voltage	120Vac 50 Hz			240Vac 50 Hz		
Voltage Regulation	+/- 1%					
Crest Factor	3:1					
Harmonic Distortion	< 3% THD (Linear Loads), < 7% THD (Non-Linear Loads)					
Transient Response	< = 60ms/5%					
Waveform	Pure Sine Wave					
Efficiency AC Mode	85%	85%	88%	85%	85%	88%
Cooling	Load Dependent Variable Speed Fans					
Over temperature	Shuts down immediately					
Overload	<105% continuous, >120% for 30 seconds, >150% for 10 seconds					

CONNECTIONS						
Input	6' Cord w/ 5-15P	6' Cord w/ 5-20P	6' Cord w/ L5-30P	6' Cord with 10A, IEC 320-C14	6' Cord with 10A, IEC 320-C146'	6' Cord with 16A, IEC 320-C20
Output	(6) 5-15R	(2) 5-15R & (2) 5-20R	(4) 5-15R & (1) L5-30R	(6) 10A, IEC 320-C13	(6) 10A, IEC 320-C13	(4) 10A, IEC 320-C13 & (1) 16A, IEC 320-C19

PHYSICAL						
Dimensions H" x W" x D"		Rack Configuration	500W 3.5 x 17.3 x 16	1.0/1.5KW 3.5 x 17.3 x 25.6		
		Tower Configuration	500W 17.3 x 3.5 x 16	1.0/1.5KW 17.3 x 3.5 x 25.6		

ENVIRONMENTAL	
Operating Temp.	0C – 40C
Noise Level	<50dBA @ 1 Meter
Relative Humidity	0 to 90% non-condensing

Use with one of our Variac® Variable Transformers for a fully adjustable 50 Hz AC Voltage Source.



<http://Variac.com>

UniStar® C Rack/Tower Universal Design



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