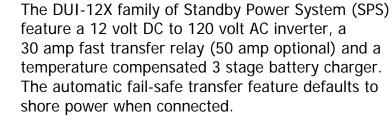
# DIMENSIONS UNLIMITED, INC.

## The most reliable DC to AC inverters in the RV market



The inverter uses large case TO-247 MOSFETs to provide powerful peak performance to start demanding loads.

The SPS uses patented construction and cooling methods to ensure the most durable and reliable product available.

The battery charger has automatic power share to prevent tripping the shore power circuit breaker and an automatic battery conditioning cycle to ensure optimum battery performance. Automatic AC input voltage range sensing protects the inverter/charger by allowing the charger connection only when safe AC shore power is available.

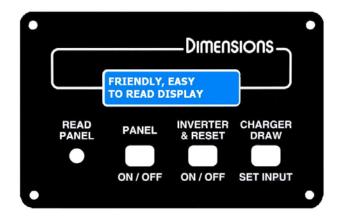
Four optional AC Output Branch Breaker configurations are available (G Option)

The liquid crystal display (LCD) remote panel "R1" or "R4" features a blue back lighted, easy to read display. The panel <u>requires no</u> <u>programming</u> and is easy to use. There are 11 understandable operating messages and 12 troubleshooting messages.

NOTE: "R1" is used with those RVs that support a Master Disconnect feature.

#### For more Information Call: 800-553-6418

### **LCD Display Remote Panel**





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# DIMENSIONS UNLIMITED, INC.

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#### SPS SPECIFICATIONS

#### MAY 2006

SPS SPECIFICATIONS					47 2000	
MODEL:	DUI-	DUI-	DUI-	DUI-	DUI-	
12	2X16B3R4T	12X20B3R4T	12X25B3R4T 1	12X30B3R4T 1	2X36B3R4T	
OUTPUT POWER: (watts, cont.)	1,600	2,000	2,500	3,000	3,600	
OUTPUT CURRENT: (amps AC)	Up to 13	Up to 17	Up to 21	Up to 25	Up to 30	
<b>PEAK OUTPUT:</b> (amps AC)	55	70	80	90	90	
<b>OUTPUT RATING:</b> (horsepower)	<sup>1</sup> /3	1/2	3⁄4	1	11/2	
<b>INPUT CURRENT:</b> (amps DC)	Up to 160	Up to 200	Up to 250	Up to 300	Up to 360	
WEIGHT: (lbs)	39	43	48	52	58	
BATTERY CHARGER OUTPUT:	Up to 75	Up to 100	Up to 130	Up to 140	Up to 140	
(amps DC)						
BATTERY CHARGER INPUT:	Up to 16	Up to 21	Up to 26	Up to 28	Up to 28	
(amps AC)						
OUTPUT VOLTAGE:	100 \//					
OUTPUT VOLTAGE: OUTPUT FREQUENCY:		120 VAC RMS <u>+</u> 5% 60 Hz <u>+</u> 0.05%				
OUTPUT WAVEFORM:		Quasi-sine wave, with waveform stabilizer				
INPUT VOLTAGE: (VDC)		11 to 14				
EFFICIENCY:		Up to 93%				
OPERATING TEMPERATURE	•					
UNIT PROTECTION:		Automatic electronic short circuit/overload protection				
		Automatic high temperature shutdown				
	Output	Output circuit breaker				
BATTERY PROTECTION:	Automa	Automatic low battery shutdown at 10.5 VDC (with in-rush delay)				
OTHER DESIGN FEATURES:	UL and	UL and CUL Listed				
	-	Large case TO247 MOSFET design				
		Thermally controlled cooling fan				
		High peak power for motor starting ability				
		Enclosed AC and DC cable connections with strain relief				
		Branch Output Breakers (Options G, G1, G2, or G3)				
USAGE:	-	Any 120 VAC, 60 Hz, single phase equipment within the inverter's power rating, unless specifically designed for pure sine waveform.				
BATTERY CHARGER TYPE:		<b>U</b> 1		eu ior pure sille		
BATTERY CHARGER SETTIN	-	<ul><li>3 stage; bulk, acceptance and float</li><li>Selectable between wet or sealed lead acid batteries</li></ul>				
SATER STAROER SETTIN			ge or small batte			
OTHER DESIGN FEATURES:		Automatic power share				
		Automatic battery conditioning				
			ated output volta	ige		
TRANSFER RELAY:	•	30 amps AC (T Option) or 50 amps AC (T1 Option)				
TRANSFER TIME:		Less than 16 milliseconds typical				
<b>REMOTE PANEL TYPE:</b>		Liquid crystal display, blue back lighted with large white letters				
REMOTE PANEL SIZE:		5.75 in. wide x 3.75 in. high x 1.25 in. deep				
SIZE: (inches LxWxH)		14½x11½x7¾ (DUI-12X36B3R1T 15¾x11½x7¾)				
WARRANTY:	One yea	One year parts and factory labor				