

# DPI 52S95J12 - 120VAC INPUT 500VA OUTPUT DIP PROOFING INVERTER



<b>AC INPUT</b>	
Single Phase supply voltage	120Vac 50/60Hz
Maximum input voltage	+10%
Full load current	4.2A
<b>STATIC SWITCH</b>	
Nominal off-state voltage	150Vac RMS
Peak off-state voltage	800V
Nominal current(AV)	4.2A
Short time overload current(<100ms)	26A
Non-repetitive peak on-state current(10ms)	26A
<b>INVERTER</b>	
Nominal output voltage	120Vac RMS
Voltage fluctuations over full operating range	-15% to +10%
Nominal Load current	4.2A
Power factor range	cos Φ from 1 to 0
Wave shape	Stepped Square
Nominal inductive load	500VA
Storage capacitors(rated 200Vdc)	0.0132F
Usable stored energy factor ( η )	0.36
Minimum up time as a function of the load	$t = (\eta * C_{cap} * V_{supply}) / (L_{load} * \cos\Phi)$
Transistor peak current-limit	26A
Output frequency	50/60Hz +/-1%
HBC fuse rating	16A
<b>TIMER</b>	
Range	0.1 to 3.1s
Setting	0.1s steps
Maximum recovery time of capacitors to 1,27Vin	<1.5 second
<b>INDICATORS</b>	
System OK	green LED
Inverter Running	red LED
<b>TEMPERATURE</b>	
Maximum ambient working temperature	45°C (113°F)
<b>CUBICLE</b>	
Construction	Extruded aluminum
Height( Dim. L3 on P9)	309mm (12.36in)
Width	150mm (5.90in)
Depth	110mm (4.33in)
Mass	3.3 kg (7.31 lbs)
<b>CONNECTION</b>	
Cable	2mm <sup>2</sup> (14 AWG) copper panel wire
Screw-terminal torque	0.6 - 0.8 Nm (5.2-7.0 lb-in)
<b>LISTINGS</b>	
Underwriters Laboratories Inc.	UL listed, Control #37WJ/File #E205817

**Warning:**  
**Risk of electric shock! Dangerously high voltages can be present up to 20 minutes after DPI has been disconnected. NEVER attempt maintenance on the DPI during this period unless storage capacitors have been manually discharged.**