

# DPI 52L1K12 - 120VAC INPUT 1KVA OUTPUT DIP PROOFING INVERTER



<b>AC INPUT</b>	
Single Phase supply voltage	120Vac 50/60Hz
Maximum input voltage	+10%
Full load current	8.4A
<b>STATIC SWITCH</b>	
Nominal off-state voltage	150Vac RMS
Peak off-state voltage	800V
Nominal current(AV)	8.4A
Short time overload current(<100ms)	60A
Non-repetitive peak on-state current(10ms)	130A
<b>INVERTER</b>	
Nominal output voltage	120Vac RMS
Voltage fluctuations over full operating range	-15% to +10%
Nominal Load current	8.4A
Power factor range	cos $\Phi$ from 1 to 0
Wave shape	Stepped Square
Nominal inductive load	1KVA
Storage capacitors(rated 200Vdc)	0.022F
Usable stored energy factor ( $\eta$ )	0.38
Minimum up time as a function of the load	$t = (\eta * C_{cap} * V_{supply}) / (L_{load} * \cos\Phi)$
Transistor peak current-limit	50A
Output frequency	50/60Hz +/-1%
HBC fuse rating	32A
<b>TIMER</b>	
Range	0.1 to 3.1s
Setting	0.1s steps
Maximum recovery time of capacitors to 1,4Vin	<1 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 P3)	355mm (13.98in)
Width	311mm (12.24in)
Depth	162mm (6.38in)
Mass	9.0 kg (19.8 lbs)
<b>CONNECTION</b>	
Cable	5mm <sup>2</sup> (10 AWG) copper panel wire
Screw-terminal	1.5 - 1.8 Nm (13-16 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.**