

# DPI 52L3968J23 - 230VAC INPUT 4.5KVA OUTPUT DIP PROOFING INVERTER



## AC INPUT

Single Phase supply voltage	230Vac 50/60Hz
Maximum input voltage	+10%
Full load current	20A

## STATIC SWITCH

Nominal off-state voltage	230Vac RMS
Peak off-state voltage	800V
Nominal current(AV)	20A
Short time overload current(<100ms)	60A
Non-repetitive peak on-state current(10ms)	130A

## INVERTER

Nominal output voltage	230Vac RMS
Voltage fluctuations over full operating range	-15% to +10%
Nominal Load current	20A
Power factor range	cos $\Phi$ from 1 to 0
Wave shape	Stepped Square
Nominal inductive load	4.5KVA
Storage capacitors(rated 200Vdc)	0.15F
Usable stored energy factor ( $\eta$ )	0.47
Minimum up time as a function of the load	$t = (\eta * C_{cap} * V_{supply}) / (I_{load} * \cos \Phi)$
Transistor peak current-limit	50A
Output frequency	50/60Hz +/-1%
HBC fuse rating	32A

## TIMER

Range	0.1 to 3.1s
Setting	0.1s steps
Maximum recovery time of capacitors to 1,27Vin	<3.6 second

## INDICATORS

System OK	green LED
Inverter Running	red LED

## TEMPERATURE

Maximum ambient working temperature	45°C (113°F)
-------------------------------------	--------------

## CUBICLE

Construction	Extruded aluminum
Height( Dim. L3 on P16)	1037mm (41.48in)
Width	311mm (12.24in)
Depth	162mm (6.38in)
Mass	32.50 kg (71.50 lbs)

## CONNECTION

Cable	5mm <sup>2</sup> (10 AWG) copper panel wire
Screw-terminal torque	1.5 - 1.8 Nm (13.0-16.0 lb-in)

## LISTINGS

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.**