

DPI 52S5012 - 120VAC INPUT 500VA OUTPUT DIP PROOFING INVERTER



AC INPUT

Single Phase supply voltage	120Vac 50/60Hz
Maximum input voltage	+10%
Full load current	2.1A

STATIC SWITCH

Nominal off-state voltage	120Vac RMS
Peak off-state voltage	800V
Nominal current(AV)	2.1A
Short time overload current(<100ms)	26A
Non-repetitive peak on-state current(10ms)	26A

INVERTER

Nominal output voltage	120Vac RMS
Voltage fluctuations over full operating range	-15% to +10%
Nominal Load current	2.1A
Power factor range	cos Φ from 1 to 0
Wave shape	Stepped Square
Nominal inductive load	250VA
Storage capacitors(rated 200Vdc)	0.0066F
Usable stored energy factor (η)	0.33
Minimum up time as a function of the load	$t = (\eta * C_{cap} * V_{supply}) / (I_{load} * \cos\Phi)$
Transistor peak current-limit	26A
Output frequency	50/60Hz +/-1%
HBC fuse rating	16A

TIMER

Range	0.1 to 3.1s
Setting	0.1s steps
Maximum recovery time of capacitors to 1,4Vin	<1 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 P3)	279mm (10.98in)
Width	150mm (5.90in)
Depth	110mm (4.33in)
Mass	3.0kg (6.61lbs)

CONNECTION

Cable	2mm ² (14 AWG) copper panel wire
Screw-terminal	0.6 - 0.8 Nm (5.2-7.0 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.