



Samlex America

# 3000W



**DC-AC Inverter**  
**Modified Sine Wave**

Model  
SAM-3000-12  
12 VDC - 115 VAC

### Design Features

- Compact design
- Load controlled cooling fan
- Low battery input alarm
- Universal protection circuit: thermal, battery, overload, short circuit, earth fault
- Soft start technology
- Cool surface technology
- Power save mode
- Low interference technology



		MoDel No.	SAM-3000-12
INPUT		BATTERY SYSTeM VoLTAge	12 VDC
		NoMINAl INPUT VoLTAge	12.5 VDC
		INPUT VoLTAge rANge	10.5 to 15.0 (+/- 0.5) VDC
		INPUT CURreNT AT CoNTINUoUS PoWer	269 A to 275 A
		INPUT CURreNT AT No loAD	0.85 A to 0.95A
OUTPUT		oUTPUT VoLTAge WAVE ForM	Modified Sine Wave
		oUTPUT VoLTAge	115 VAC
		oUTPUT VoLTAge regUIATIoN	+13% / - 0%
		oUTPUT FreqUeNCy	60 Hz +/- 5%
		oUTPUT PoWer, CoNTINUoUS (reSISTIVe loAD)	3000 W
		oUTPUT PoWer, SURge (< 1 SeC, reSISTIVe loAD)	6000 W
ProTeCTIoNS		PeAk eFFICIeNCy (AT 50% oF CoNTINUoUS PoWer)	90%
		USB ChArgINg PorT	Not available
		loW INPUT VoLTAge AlArM	Yes (10.8 +/- 0.3 VDC)
		loW INPUT VoLTAge ShUTDoWN	10.5 +/- 0.5 VDC
		high INPUT VoLTAge ShUTDoWN	Yes. (> 15.5 VDC)
		oVerloAD ShUT DoWN	Yes (Latches in shutdown condition. Manual reset by switching off and switching on the On / Off Switch)
		oVer TeMPeRATUre ShUTDoWN	Yes (Auto reset)
CoNNeCTIoNS		CoOLIING FAN, loAD CoNTrolleD, oN AT	90 to 110 W
		leAKAge ProTeCTIoN	Yes (Shutdown)
		INPUT FUSE, 32 V	480 A (16 X 30 A)
		INPUT CoNNeCTIoN	Nut and Bolt
geNerAl		oUTPUT CoNNeCTIoN - No oF NeMA5-15r reCePTACleS	3
		reMoTe CoNTrol PorT	Yes
		oPerATING TeMPeRATUre rANge	0 to 25 C at 100% loading; 26 C to 35 C at 80 % loading
		oPerATING hUMIDITy	< 80%
		NeUTrAl To ChASSIS BoNDINg	No. Neutral is floating
		DIMeNSIoNS, MM (l x W x h)	420 x 202 x 84
	DIMeNSIoNS, INChES (l x W x h)	16.53 x 7.95 x 3.3	
	WeiGhT, kg	5.5	
	WeiGhT, lB	11.8	

NoTe: Specifications are subject to change without notice