



samlex america 250W



DC-AC Inverter
Modified Sine Wave

Model
SAM-250-12
12 VDC - 115 VAC

Design Features

- USB charging port: 5 VDC, 500 mA
- Compact design with cigar lighter plug included
- 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-250-12
INPUT	BATTERY SYSTEM VoITAgE		12 VDC
	NoMINAl INPUT VoITAgE		12.5 VDC
	INPUT VoITAgE RANGe		10.5 to 15.0 (+/- 0.5) VDC
	INPUT CURRENT AT CoNTINUoUS PoWER		22.3 A to 24.2 A
	INPUT CURRENT AT No IoAD		0.2 A to 0.3 A
oUTPUT	oUTPUT VoITAgE WAVE FoRM		Modified Sine Wave
	oUTPUT VoITAgE		115 VAC
	oUTPUT VoITAgE REgUIATIoN		+10% / - 2%
	oUTPUT FREqUENCY		60 Hz +/- 5%
	oUTPUT PoWER, CoNTINUoUS (RESISTIVE IoAD)		250 W
	oUTPUT PoWER, SURgE (< 1 SEC, RESISTIVE IoAD)		500 W
PRoTECTIoNS	PEAK EFFICIENCY (AT 50% oF CoNTINUoUS PoWER)		90%
	USB ChARGIng PoRT		5 VDC, 500 mA
	IoW INPUT VoITAgE AlARM		Yes (10.8 + / - 0.3 VDC)
	IoW INPUT VoITAgE ShUTDoWN		10.5 +/- 0.3 VDC
	hIgh INPUT VoITAgE ShUTDoWN		Yes. (> 15.5 VDC)
	oVERIoAD 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)
	CoolIng FAN, IoAD CoNTRoLlED, oN AT		8 to 12 W
CoNNECTIoNS	IEAkAgE PRoTECTIoN		Yes (Shutdown)
	INPUT FUSE, 32 V		30 A
	INPUT CoNNECTIoN		Nut and Bolt
gENERAl	oUTPUT CoNNECTIoN - No oF NEMAS-15R RECEPTACIES		1
	REMoTE CoNTRoL PoRT		No
	oPERATING TEMPERATURE RANGe		0 to 25 C at 100% loading; 26 C to 35 C at 80% loading
	oPERATING hUMIDITy		< 80%
	NEUTRAI To ChASSIS BoNDIng		No. Neutral is floating
	DIMENSIoNS, MM (l x W x h)		150 x 114.4 x 46
DIMENSIoNS, INChES (l x W x h)		5.9 x 4.5 x 1.8	
WEIghT, kg		0.42	
WEIghT, IB		0.92	

NOTE: Specifications are subject to change without notice