



samlex america 450W



DC-AC Inverter
Modified Sine Wave

Model
SAM-450-12
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-450-12
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	41.3 A to 43.3 A
	INPUT CUrreNT AT No loAD	0.25 A to 0.35 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 loAD)	450 W
	oUTPUT PoWer, SuRge (< 1 SeC, reSISTIVe loAD)	900 W
ProTeCTIoNS	PeAk eFFICIEncy (AT 50% oF CoNTINUoUS PoWer)	90%
	USB ChArgIng PorT	5 VDC, 500mA
	loW INPUT VoITAge AlArM	Yes (10.8 +/- 0.3 VDC)
	loW INPUT VoITAge ShUTDoWN	10.5 +/- 0.3 VDC
	hIgh INPUT VoITAge 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)
	CooLIng FAN, loAD CoNTrolleD, oN AT	8 to 12 W
CoNNeCTIoNS	leAkAge ProTeCTIoN	Yes (Shutdown)
	INPUT FUSE, 32 V	70 A (2 X 35 A)
	INPUT CoNNeCTIoN	Nut and Bolt
	oUTPUT CoNNeCTIoN - No oF NeMA5-15r reCePTACleS	2
geNerAl	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%
	NeUTrAl To ChASSIS BoNDING	No. Neutral is floating
	DIMeNSIoNS, MM (l x W x h)	151 x 154 x 56.5
	DIMeNSIoNS, INCheS (l x W x h)	6.0 x 6.1 x 2.2
	WeiGht, kg	0.6
WeiGht, lB	1.3	

NoTe: Specifications are subject to change without notice