



800W



DC-AC Inverter
Modified Sine Wave

Model
SAM-800-12
12 VDC - 115 VAC

Design Features

- USB charging port +5 VDC, 500 mA
- 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-800-12
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	72 A to 75 A
	INPUT CUrreNT AT No loAD	0.25 A to 0.35 A
oUTPUT	oUTPUT VoLTAge WAVE ForM	Modified Sine Wave
	oUTPUT VoLTAge	115 VAC
	oUTPUT VoLTAge regUIATIoN	+ 10% / - 2%
	oUTPUT FreqUeNCy	60 Hz +/- 5%
	oUTPUT PoWer, CoNTINUoUS (reSISTIVe loAD)	800 W
	oUTPUT PoWer, SUrge (< 1 SeC, reSISTIVe loAD)	1600 W
ProTeCTIoNS	PeAk eFFICIeNCy (AT 50% oF CoNTINUoUS PoWer)	90%
	USB ChArgIng PorT	5 VDC, 500mA
	loW INPUT VoLTAge AlArM	Yes (10.8 +/- 0.3 VDC)
	loW INPUT VoLTAge ShUTDoWN	10.5 +/- 0.3 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	CooLIng FAN, loAD CoNTroLleD, oN AT	35 to 45 W
	leAkAge ProTeCTIoN	Yes (Shutdown)
	INPUT FUSe, 32 V	105 A (3 X 35 A)
	INPUT CoNNeCTIoN	Nut and Bolt
	oUTPUT CoNNeCTIoN - No oF NeMA5-15r CePTACleS	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)	218 x 180 x 59
	DIMeNSIoNS, INChES (l x W x h)	8.6 x 7 x 2.4
	WeiGht, kg	1.32
	WeiGht, lB	2.91

NoTe: Specifications are subject to change without notice