



**samlex**america®

# 600W



**DC-AC Inverter**  
**⚡ Pure Sine Wave**

Model  
S600R-148

### Design Features

- True sine wave output (THD < 3%)
- Power on/off remote control (optional)
- Input & output fully isolated
- Load control cooling fan
- Advanced microprocessor
- Input polarity reverse / under voltage / over voltage protections
- Output short circuit / overload / over temperature protections
- Tri-color indicators display input, output level & failure status



**2 YEAR LIMITED WARRANTY**

	<b>MODEL NO.</b>	<b>S600R-148</b>
<b>OUTPUT</b>	AC voltage	100 / 110 / 120 VAC
	Rated power	600W
	Surge power	800W
	Waveform	True Sine Wave (THD < 3%)
	Frequency	50/60 Hz selectable by DIP switch
	AC regulation	±3%
	Power factor allowed	COSØ -90° ~ COSØ +90°
	Standard receptacles	NEMA5-15R / GFCI
	LED indicator	Input voltage level, output load level and fault status
<b>INPUT</b>	No load current draw	0.23 A
	DC voltage	48 VDC
	Voltage range	42.0 ~ 60.0 VDC
	Efficiency (typ.)	92.0%
	Fuse	10A x 2
<b>PROTECTION</b>	Battery low alarm	44.0 VDC
	Battery low shutdown	42.0 VDC
	Overload	Shut off output voltage, re-power on to recover
	Over voltage	61.2 VDC
	Over temperature	Shut off output voltage, recovers automatically after temperature goes down
	Output short	Shut off output voltage, re-power on to recover
	Battery polarity reverse	By fuse open
<b>ENVIRONMENT</b>	Working temperature	0 °C to + 40 °C
	Working humidity	20% ~ 90% RH non-condensing
	Storage temperature & humidity	-30° C ~ +70° C / -22°F ~ +158°F / 10 ~ 95%
<b>SAFETY &amp; EMC</b>	Isolation resistance	I/P ~ O/P: 100M Ohms / 500 VDC
	EMI conduction & radiation	Compliance to FCC, Class A
<b>DIMENSIONS</b>	(L X W X H), mm / inches	295 x 180 x 72 / 11.60 x 7.10 x 2.84
<b>WEIGHT</b>	Kg/ Lbs.	2.7 kg. / 5.95 lbs.

NOTE: Specifications are subject to change without notice

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