

Inverter Power Specifications

How much usable power do inverters really give you? This question is much harder to answer than it might seem. The main problem is that we don't have a commonly accepted rating standard. For example, we call the Trace 2012 a 2000 watt inverter but actually it will only do 2000 watts for up to 30 minutes. The continuous rating is only about 1340 watts. Both Heart & Trace 600 watt inverters have continuous ratings of only 400 watts. Even "continuous ratings" have different standards. According to a Heart inverter graph, the 1200W model has a continuous rating of about 1000 watts. According to the UL method of rating, the continuous output for this inverter is only 750 watts. Our new Dimensions Inverters are all rated according to this strict UL standard and we hope it will become a standard used by all companies.

Inverter	Rated Watts	Continuous Watts	Cost	Cost per watt
ProorWatt 125 (Statpower)	125	125	\$130	\$1.04
Powerstar 200	200	140	\$150	1.07
Vanner Pure Sine Wave	150	150	\$517	3.45
Statpower 250	250	200	\$185	.93
Exeltech 250	250	250	\$395	1.58
PowerStar 400	400	400	\$490	1.23
Heart EMS 600	600	402	\$550	1.37
Trace 724	700	425	\$615	1.45
Exeltech 500	500	500	\$595	1.19
ProWatt 600	600	500	\$449	.90
Dimensions 12/500	500	500	\$760	1.52
Trace 812	800	575	\$550	.96
PowerStar 700	700	700	\$590	.84
New Mar 12-1200	1200	700	\$1290	1.84
Dimensions 12/750	750	750	\$825	1.10
Heart EMS 1200	1200	900	\$1198	1.33
Dimensions 12/1100	1100	1100	\$895	.81
Heart EMS 1800	1800	1100	\$1500	1.36
Dimensions 12/1200	1200	1200	\$995	.83
PowerStar 1300	1300	1300	\$890	.68
Trace 2012	2000	1400	\$1090	.78
Trace 2524	2500	1500	\$1350	.90
ProWatt 1500	1500	1500	\$795	.53
Heliotrope 12-2500	2500	1500	\$3150	2.10
Photocomm PCUL 12/17	1700	1700	\$1150	.68
Dimensions 12/1700	1700	1700	\$1295	.76
Dimensions 24/1700	1700	1700	\$1425	.84
Heart EMS 2800	2800	2000	\$2090	1.05
Vanner 24V	3000	2000	\$1890	.95
Dimensions 12/2100	2100	2100	\$1695	.81
Dimensions 24/2100	2100	2100	\$1795	.85
Photocomm PCUL 12/24	2400	2400	\$2400	1.00

Dimensions 12/2400	2400	2400	\$1995	.83
Dimensions 24/2400	2400	2400	\$2195	.91
Westec 24V	3000	3000	\$3100	1.03
Dimensions 24/3600	3600	3600	\$2595	.72
Photocomm PCUL 24/48	4800	4800	\$3700	.77
Dimensions 24/4800	4800	4800	\$2995	.62

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