

Inverter Battery Sizing Chart

Inverter Size	150 - 300 Watts	500 - 700 Watts	1000 -1500 Watts	2000 - 3000 Watts
Voltage	12v	12v	24v	48v
Battery Bank	50Ah	100Ah	200Ah	200Ah
	Runtime(Hrs)	Runtime (Hrs)	Runtime (Hrs)	Runtime (Hrs)
Load				
100 Watt	4.80	9.60	38.40	76.80
200 Watt	2.40	4.80	19.20	38.40
300 Watt	1.60	3.20	12.80	25.60
400 Watt	-	2.40	9.60	19.20
500 Watt	-	1.92	7.68	15.36
600 Watt	-	1.60	6.40	12.80
700 Watt	-	1.37	5.49	10.97
800 Watt	-	-	4.80	9.60
900 Watt	-	-	4.27	8.53
1000 Watt	-	-	3.84	7.68
1100 Watt	-	-	3.49	6.98
1200 Watt	-	-	3.20	6.40
1300 Watt	-	-	2.95	5.91
1400 Watt	-	-	2.74	5.49
1500 Watt	-	-	2.56	5.12
1600 Watt	-	-	-	4.80
1700 Watt	-	-	-	4.52
1800 Watt	-	-	-	4.27
1900 Watt	-	-	-	4.04
2000 Watt	-	-	-	3.84

Estimated usage hours at 80% Discharge of Lithium Batteries
Match Solar Panel Wattage to the Load or Inverter and Get double the
Runtime