

Inverter Battery Quantity & Electrolytes

All quantities and calculations reflect a standard 90-minute runtime. For configurations outside this standard, consult the factory. Electrolyte levels shown are maximum expected values derived from the battery manufacturer's SDS and technical specifications.

Tucson Micro

Rating	Battery	Battery QTY	Total System AH	Max Gallons of Electrolyte per Battery	Max Gallons of Electrolyte per System
32W	12V 7.5AH	1	7.5	0.06	0.06
55W	12V 12AH	1	12	0.10	0.10

Tucson Compact

Rating	Battery	Battery QTY	Total System AH	Max Gallons of Electrolyte per Battery	Max Gallons of Electrolyte per System
55W/125VA	12V 7.5AH	2	15	0.06	0.96
110W/125VA	12V 12AH	2	24	0.10	2.33
110W/250VA	12V 7.5AH	4	30	0.06	1.92
220W/250VA	12V 12AH	4	48	0.10	4.66

Tucson Mini

Rating	Battery	Battery QTY	Total System AH	Max Gallons of Electrolyte per Battery	Max Gallons of Electrolyte per System
75W	12V 9AH	6	54	0.08	0.50
100W	12V 9AH	6	54	0.08	0.50
125W	12V 9AH	6	54	0.08	0.50
200W	12V 9AH	6	54	0.08	0.50
300W	12V 18AH	6	108	0.15	0.90
375W	12V 18AH	6	108	0.15	0.90

Mesa

Rating	Battery	Battery QTY	Total System AH	Max Gallons of Electrolyte per Battery	Max Gallons of Electrolyte per System
375W	12V 18AH	5	90	0.15	0.75
600W	12V 18AH	8	144	0.15	1.20

Canyon

Rating	Battery	Battery QTY	Total System AH	Max Gallons of Electrolyte per Battery	Max Gallons of Electrolyte per System
750W	12V 22AH	8	176	0.17	1.36
950W	12V 22AH	10	180	0.17	1.70
1150W	12V 22AH	12	216	0.17	2.04

Phoenix Lite					
Rating	Battery	Battery QTY	Total System AH	Max Gallons of Electrolyte per Battery	Max Gallons of Electrolyte per System
525W	12V 18AH	6	108	0.23	1.38
700W	12V 28AH	6	168	0.39	2.34
875W	12V 28AH	6	168	0.39	2.34
1050W	12V 35AH	6	210	0.45	2.7

Phoenix Compact					
Rating	Battery	Battery QTY	Total System AH	Max Gallons of Electrolyte per Battery	Max Gallons of Electrolyte per System
350W	12V 18AH	6	108	0.23	1.38
525W	12V 55AH	4	220	0.77	3.08
700W	12V 55AH	4	220	0.77	3.08
750W	12V 55AH	4	220	0.77	3.08
875W	12V 55AH	4	220	0.77	3.08
1050W	12V 55 AH	4	220	0.77	3.08
1400W	12V 50AH	6	300	0.72	4.32
2000W	12V 75AH	6	450	1.05	6.30

Phoenix 1					
Rating	Battery	Battery QTY	Total System AH	Max Gallons of Electrolyte per Battery	Max Gallons of Electrolyte per System
2.4KW	12V 28AH	20	560	0.39	7.80
2.6KW	12V 28AH	20	560	0.39	7.80
3.0KW	12V 35AH	20	700	0.45	9.00
3.4KW	12V 35AH	20	700	0.45	9.00
3.8KW	12V 50AH	20	1000	0.72	14.40
4.2KW	12V 50AH	20	1000	0.72	14.40

Phoenix Plus					
Rating	Battery	Battery QTY	Total System AH	Max Gallons of Electrolyte per Battery	Max Gallons of Electrolyte per System
4.7KW	12V 50AH	20	1000	0.72	14.40
5.25KW	12V 55AH	20	1100	0.77	15.40
7.0KW	12V 75AH	20	1500	1.05	21.00
8.0KW	12V 50AH	40	2000	0.72	28.80
10.0KW	12 55AH	40	2200	0.77	30.80
12.0KW	12V 75AH	40	3000	1.05	42.00
14.0KW	12V 75AH	40	3000	1.05	42.00
18KW	12V 75AH	60	4500	1.05	63.00
21KW	12V 75AH	60	4500	1.05	63.00

Sedona, Sierra 3, Sonoran 3

Rating	Battery	Battery QTY	Total System AH	Max Gallons of Electrolyte per Battery	Max Gallons of Electrolyte per System
3.0KW	12V 18AH	44	792	0.23	10.12
4.5KW	12V 28AH	44	1232	0.39	17.16
6.0KW	12V 28AH	44	1232	0.39	17.16
8.0KW	12V 35AH	45	1575	0.45	20.25
10.0KW	12V 55 AH	44	2420	0.77	33.88
12.0KW	12V 55AH	45	2475	0.77	34.65
16.0KW	12V 75AH	44	3300	1.05	46.20
20.0KW	12V 100AH	44	4400	1.30	57.20
24.0KW	12V 120AH	44	5280	1.56	68.64
30.0KW	12V 75AH	88	6600	1.05	92.40
40.0KW	12V 100AH	88	8800	1.30	114.40
60.0KW	12V 150A	90	13500	1.41	126.90
80.0KW	12V 120AH	135	16200	1.56	210.60
100.0KW	12V 200AH	135	27000	2.67	360.45
125.0KW	12V 120AH	225	27000	1.56	351.00
150.0KW	12V 150AH	225	33750	2.00	450.00

Sierra 1, Sonoran 1

Rating	Battery	Battery QTY	Total System AH	Max Gallons of Electrolyte per Battery	Max Gallons of Electrolyte per System
0.35KW	12V 35AH	6	210	0.45	2.70
0.525KW	12V 55AH	4	220	0.77	3.08
0.7KW	12V 55AH	4	220	0.77	3.08
0.875KW	12V 55AH	4	220	0.77	3.08
1.05KW	12V 55AH	4	220	0.77	3.08
1.4KW	12V 50AH	6	300	0.72	4.32
2.0KW	12V 75AH	6	450	1.05	6.30
2.4KW	12V 28AH	20	560	0.39	7.80
2.6KW	12V 28AH	20	560	0.39	7.80
3.0KW	12V 35AH	20	700	0.45	9.00
3.4KW	12V 35AH	20	700	0.45	9.00
3.8KW	12V 50AH	20	1000	0.72	14.40
4.2KW	12V 50AH	20	1000	0.72	14.40
4.7KW	12V 50AH	20	1000	0.72	14.40
5.25KW	12V 55AH	20	1100	0.77	15.40
7.0KW	12V 75AH	20	1500	1.05	21.00
8.0KW	12V 50AH	40	2000	0.72	28.80
10.0KW	12 55AH	40	2200	0.77	30.80
12.0KW	12V 75AH	40	3000	1.05	42.00
14.0KW	12V 75AH	40	3000	1.05	42.00
18KW	12V 75AH	60	4500	1.05	63.00
21KW	12V 75AH	60	4500	1.05	63.00