

For Home

Specifications	Model	20-150-12	20-300-22	40-300-12	40-150-22	40-300-22
	Panel Power (w)	20	20	40	40	40
	Battery Capacity (AH@10hr)	12	22	12	22	22
	Time Required to Fully Charge Battery (day★)	2	3.5	1	2	2
	Modified Sine Wave or Pure Sine Wave Inverter Wattage	150	300	300	150	300
	Box Size L*W*H (cm)	55*33*20	55*33*20	55*33*20	55*33*20	55*33*20
	Box Weight (kg)	13.5	16	16.5	18.4	18.7
Appliances	Wattage Needed	Use Time (hr)		Use Time (hr)	Use Time (hr)	Use Time (hr)
Compact Fluorescence Lamp (CFL)	7	15.84	29	15.84	29	29
Camcorder Charger	25	4.4	8.13	4.4	8.13	8.13
Cellular Phone Charger	25	4.4	8.13	4.4	8.13	8.13
6" Mini Fan	25	4.4	8.13	4.4	8.13	8.13
8" Desk Fan	27	4.1	7.52	4.1	7.52	7.52
Hifi Stereo 4 Head VCR	35	3.16	5.8	3.16	5.8	5.8
12" Desk Fan	48	2.31	4.23	2.31	4.23	4.23
CD Changer System	50	2.2	4	2.2	4	4
9" Color TV/Radio Combo	65	1.7	3.12	1.7	3.12	3.12
14" Box Fan	80	1.38	2.54	1.38	2.54	2.54
13" Color TV	80	1.38	2.54	1.38	2.54	2.54
Laptop Computer	95	1.16	2.13	1.16	2.13	2.13
18" Desk Fan for Industry	100	1.1	2	1.1	2	2
Video Game System	100	1.1	2	1.1	2	2
Can Opener/Coffee Grinder	125	0.88	1.62	0.88	1.62	1.62
Soldering Computer/Soldering Gun	150	0.73	1.35	0.73	1.35	1.35
19" Color TV	175		1.16	0.63		1.16
25" Color TV	220		0.92	0.5		0.92
12" 3-Speed Fan	250		0.81	0.44		0.81

★ Based on Sun Hour of 4hr/d

For Outdoor Activities

	Model	40-600-36	60-600-36
Specifications	Panel Power (w)	40	60
	Battery Capacity (AH@10hr)	36	36
	Time Required to Fully Charge Battery (day★)	3	2
	Modified Sine Wave or Pure Sine Wave Inverter Wattage	600	600
	Box Size L*W*H (cm)	65*33*30	65*33*30
	Box Weight (kg)	35.4	37.8
	Appliances	Wattage Needed	Use Time (hr)
Compact Fluorescence Lamp (CFL)	7	47.52	47.52
Camcorder Charger	25	13.3	13.3
Cellular Phone Charger	25	13.3	13.3
6" Mini Fan	25	12.32	12.32
8" Desk Fan	27	12.32	12.32
Hifi Stereo 4 Head VCR	35	9.5	9.5
12" Desk Fan	48	6.93	6.93
CD Changer System	50	6.6	6.6
9" Color TV/Radio Combo	65	5.11	5.11
14"Box Fan	80	4.15	4.15
13" Color TV	80	4.15	4.15
Laptop Computer	95	3.5	3.5
18" Desk Fan for Industry	100	3.32	3.32
Video Game System	100	3.32	3.32
Can Opener/Coffee Grinder	125	2.66	2.66
Soldering Computer/Soldering Gun	150	2.21	2.21
19" Color TV	175	1.9	1.9
25" Color TV	220	1.51	1.51
12" 3-Speed Fan	250	1.33	1.33
Mixer/Blender	350	0.95	0.95
1/4" Drill	385	0.86	0.86
10 Amp Battery Charger	400	0.83	0.83
Portable Vacuum	550	0.6	0.6
3/8" Reverible Drill	575	0.57	0.57
20 Amp Battery Charger	600	0.55	0.55

★ Based on sun hour of 4hr/d

For Engineering

Specifications	Model	40-1K-36	60-1K-36	80-1K-36	40-1K-46	60-1K-46	80-1K-46	40-1.5K-46	60-1.5K-46	80-1.5K-46
	Panel Power (w)	40	60	80	40	60	80	40	60	80
	Battery Capacity (AH@10hr)	36	36	36	46	46	46	46	46	46
	Time Required to Fully Charge Battery (day★)	3	2	1.5	4	3	2	4	3	2
	Pure Sine Wave Inverter Wattage	1K	1K	1K	1K	1K	1K	1.5K	1.5K	1.5K
	Box Size L*W*H (cm)	80*33*35	80*33*35	80*33*35	80*33*35	80*33*35	80*33*35	80*33*35	80*33*35	80*33*35
	Box Weight (kg)	40.5	42.5	45	45.4	47.4	50	49.4	51.4	54
	Appliances	Wattage Needed	Use Time (hr)	Use Time (hr)	Use Time (hr)	Use Time (hr)	Use Time (hr)	Use Time (hr)	Use Time (hr)	Use Time (hr)
Compact Fluorescence Lamp (CFL)	7	47.52	47.52	47.52	60.72	60.72	60.72	60.72	60.72	60.72
Camcorder Charger	25	13.3	13.3	13.3	17	17	17	17	17	17
Cellular Phone Charger	25	13.3	13.3	13.3	17	17	17	17	17	17
6" Mini Fan	25	13.3	13.3	13.3	17	17	17	17	17	17
8" Desk Fan	27	12.32	12.32	12.32	15.74	15.74	15.74	15.74	15.74	15.74
Hifi Stereo 4 Head VCR	35	9.5	9.5	9.5	12.1	12.1	12.1	12.1	12.1	12.1
12" Desk Fan	48	6.93	6.93	6.93	8.85	8.85	8.85	8.85	8.85	8.85
CD Changer System	50	6.6	6.6	6.6	8.5	8.5	8.5	8.5	8.5	8.5
9" Color TV/Radio Combo	65	5.11	5.11	5.11	6.5	6.5	6.5	6.5	6.5	6.5
14"Box Fan	80	4.15	4.15	4.15	5.31	5.31	5.31	5.31	5.31	5.31
13" Color TV	80	4.15	4.15	4.15	5.31	5.31	5.31	5.31	5.31	5.31
Laptop Computer	95	3.5	3.5	3.5	4.47	4.47	4.47	4.47	4.47	4.47
18" Desk Fan for Industry	100	3.32	3.32	3.32	4.25	4.25	4.25	4.25	4.25	4.25
Video Game System	100	3.32	3.32	3.32	4.25	4.25	4.25	4.25	4.25	4.25
Can Opener/Coffee Grinder	125	2.66	2.66	2.66	3.4	3.4	3.4	3.4	3.4	3.4
Soldering Computer/Soldering Gun	150	2.21	2.21	2.21	2.8	2.8	2.8	2.8	2.8	2.8
19" Color TV	175	1.9	1.9	1.9	2.43	2.43	2.43	2.43	2.43	2.43
25" Color TV	220	1.51	1.51	1.51	1.93	1.93	1.93	1.93	1.93	1.93
12" 3-Speed Fan	250	1.33	1.33	1.33	1.7	1.7	1.7	1.7	1.7	1.7
Mixer/Blender	350	0.95	0.95	0.95	1.21	1.21	1.21	1.21	1.21	1.21
1/4" Drill	385	0.86	0.86	0.86	1.1	1.1	1.1	1.1	1.1	1.1
10 Amp Battery Charger	400	0.83	0.83	0.83	1.06	1.06	1.06	1.06	1.06	1.06
Portable Vacuum	550	0.6	0.6	0.6	0.77	0.77	0.77	0.77	0.77	0.77
3/8" Reverible Drill	575	0.57	0.57	0.57	0.73	0.73	0.73	0.73	0.73	0.73
20 Amp Battery Charger	600	0.55	0.55	0.55	0.7	0.7	0.7	0.7	0.7	0.7

★ Based on Sun Hour of 4hr/d

For Engineering (Continued)

Specifications	Model	40-1K-36	60-1K-36	80-1K-36	40-1K-46	60-1K-46	80-1K-46	40-1.5K-46	60-1.5K-46	80-1.5K-46
	Panel Power (w)	40	60	40 / 60 / 80	40	60	40 / 60 / 80	40	60	80
	Battery Capacity (AH@20hr)	39.6	39.6	39.6	50.6	50.6	50.6	50.6	50.6	50.6
	Time Required to Fully Charge Battery (day★)	3	2	3 / 2 / 1.5	4	3	4 / 3 / 2	4	3	4 / 3 / 2
	Pure Sine Wave Inverter Wattage	1K	1K	1K	1K	1K	1K	1.5K	1.5K	1.5K
	Box Size L*W*H (cm)	80*33*35	80*33*35	80*33*35	80*33*35	80*33*35	80*33*35	80*33*35	80*33*35	80*33*35
	Box Weight (kg)	40.5	42.5	45	45.4	47.4	50	49.4	51.4	54
Appliances	Wattage Needed	Use Time (hr)	Use Time (hr)	Use Time (hr)	Use Time (hr)	Use Time (hr)	Use Time (hr)	Use Time (hr)	Use Time (hr)	Use Time (hr)
Food Processor/Blender	650	0.51	0.51	0.51	0.65	0.65	0.65	0.65	0.65	0.65
1/2" Drill	750	0.44	0.44	0.44	0.56	0.56	0.56	0.56	0.56	0.56
Coffee Maker (6 cup)	800	0.41	0.41	0.41	0.53	0.53	0.53	0.53	0.53	0.53
Iron	900	0.36	0.36	0.36	0.47	0.47	0.47	0.47	0.47	0.47
6" Circular Saw	950	0.35	0.35	0.35	0.44	0.44	0.44	0.44	0.44	0.44
Small Microwave Oven	1000	0.33	0.33	0.33	0.42	0.42	0.42	0.42	0.42	0.42
Toaster Oven	1100							0.38	0.38	0.38
Disk Sender/Grinder	1200							0.35	0.35	0.35
1/2 HP Submersible Sump Pump	1400							0.3	0.3	0.3
Mini-Refrigerator	1450							0.29	0.29	0.29
Hair Dryer	1500							0.28	0.28	0.28

★ Based on Sun Hour of 4hr/d