

# Solar-One Specifications

<b>Model # 12 Volts</b>	Rated A/H (20 hr)	Rated A/H (6 hr)	Usable A/H (20 hr)	Rated Watt/hrs (20 hr)	Usable Watt/hrs (20 hr)	*Min. Charging System	*Max. Charging System	L x W x H in Inches	Weight in Lbs.	Short Circuit Ratings in Amps @ 104°F
SO-6-85-17/12	845	680	676	10,140	8,112	68 amps	136 amps	40 x 7.75 x 25	742	9,600
SO-6-85-19/12	950	765	760	11,400	9,120	76.5 amps	153 amps	40 x 8.55 x 25	808	10,800
SO-6-85-21/12	1055	850	844	12,660	10,128	85 amps	170 amps	40 x 8.75 x 25	880	12,000
SO-6-85-23/12	1160	935	928	13,920	11,136	93.5 amps	187 amps	40 x 9.00 x 25	959	13,300
SO-6-85-25/12	1270	1020	1016	15,240	12,192	102 amps	204 amps	40 x 10.25 x 25	1036	14,400
SO-6-85-27/12	1375	1105	1100	16,500	13,200	110.5 amps	221 amps	40 x 11.25 x 25	1102	15,600
SO-6-85-31/12	1585	1275	1268	19,020	15,216	127.5 amps	255 amps	40 x 12.75 x 25	1252	18,000
SO-6-85-33/12	1690	1360	1352	20,280	16,224	136 amps	272 amps	40 x 13.5 x 25	1336	19,200
SO-6-100-33/12	1990	1600	1592	23,880	19,104	160 amps	320 amps	40 x 13.5 x 28	1550	22,600
SO-6-125-33/12	2490	2000	1992	29,880	23,904	200 amps	367 amps	40 x 13.5 x 33	1950	29,100

<b>Model # 24 Volts</b>	Rated A/H (20 hr)	Rated A/H (6 hr)	Usable A/H (20 hr)	Rated Watt/hrs (20 hr)	Usable Watt/hrs (20 hr)	*Min. Charging System	*Max. Charging System	L x W x H in Inches Depending on how configured	Weight in Lbs.	Short Circuit Ratings in Amps @ 104°F
SO-6-85-17/24	845	680	676	20,280	16,224	68 amps	136 amps	80 x 7.75 x 25 or 40 x 15.5 x 25	1484	9,600
SO-6-85-19/24	950	765	760	22,800	18,240	76.5 amps	153 amps	80 x 8.25 x 25 or 40 x 16.5 x 25	1616	10,800
SO-6-85-21/24	1055	850	844	25,320	20,256	85 amps	170 amps	80 x 8.75 x 25 or 40 x 17.5 x 25	1760	12,000
SO-6-85-23/24	1160	935	928	27,840	22,272	93.5 amps	187 amps	80 x 9.00 x 25 or 40 x 18.00 x 25	1918	13,300
SO-6-85-25/24	1270	1020	1016	30,480	24,384	102 amps	204 amps	80 x 10.25 x 25 or 40 x 20.5 x 25	2072	14,400
SO-6-85-27/24	1375	1105	1100	33,000	26,400	110.5 amps	221 amps	80 x 11.25 x 25 or 40 x 22.5 x 25	2204	15,600
SO-6-85-31/24	1585	1275	1268	38,040	30,432	127.5 amps	255 amps	80 x 12.75 x 25 or 40 x 25.5 x 25	2504	18,000
SO-6-85-33/24	1690	1360	1352	40,560	32,448	136 amps	272 amps	80 x 13.5 x 25 or 40 x 27.0 x 25	2672	19,200
SO-6-100-33/24	1990	1600	1592	47,760	38,208	160 amps	320 amps	80 x 13.5 x 28 or 40 x 27.0 x 28	3100	22,600
SO-6-125-33/24	2490	2000	1992	59,760	47,808	200 amps	367 amps	80 x 13.5 x 33 or 40 x 27.0 x 33	3900	29,100

<b>Model # 48 Volts</b>	Rated A/H (20 hr)	Rated A/H (6 hr)	Usable A/H (20 hr)	Rated Watt/hrs (20 hr)	Usable Watt/hrs (20 hr)	*Min. Charging System	*Max. Charging System	L x W x H in Inches Depending on how configured	Weight in Lbs.	Short Circuit Ratings in Amps @ 104°F
SO-6-85-17/48	845	680	676	40,560	32,448	68 amps	136 amps	160 x 7.75 x 25 or 80 x 15.5 x 25 or 40 x 31 x 25	2968	9,600
SO-6-85-19/48	950	765	760	45,600	36,480	76 amps	153 amps	160 x 8.25 x 25 or 80 x 8.25 x 25 or 40 x 33 x 25	3232	10,800
SO-6-85-21/48	1055	850	844	50,640	40,512	85 amps	170 amps	160 x 8.75 x 25 or 80 x 18.00 x 25 or 40 x 36.00 x 25	3520	12,000
SO-6-85-23/48	1160	935	928	55,680	44,544	93 amps	187 amps	160 x 9.00 x 25 or 80 x 18.00 x 25 or 40 x 35.00 x 25	3836	13,300
SO-6-85-25/48	1270	1020	1016	60,960	48,768	102 amps	204 amps	160 x 10.25 x 25 or 80 x 20.5 x 25 or 40 x 41.0 x 25	4144	14,400
SO-6-85-27/48	1375	1105	1100	66,000	52,800	110 amps	221 amps	160 x 11.25 x 25 or 80 x 22.5 x 25 or 40 x 45.0 x 25	4408	15,600
SO-6-85-31/48	1585	1275	1268	76,080	60,864	127 amps	255 amps	160 x 12.75 x 25 or 80 x 25.5 x 25 or 40 x 51.0 x 25	5008	18,000
SO-6-85-33/48	1690	1360	1352	81,120	64,896	136 amps	272 amps	160 x 13.5 x 25 or 80 x 27.0 x 25 or 40 x 54.0 x 25	5344	19,200
SO-6-100-33/48	1990	1600	1592	95,520	76,416	160 amps	320 amps	160 x 13.5 x 28 or 80 x 27.0 x 28 or 40 x 54.0 x 28	6200	22,600
SO-6-125-33/48	2490	2000	1992	119,520	95,616	200 amps	367 amps	160 x 13.5 x 33 or 80 x 27.0 x 33 Or 40 x 54 x 33	7800	29,100

\* The Charging System is the sum of all charging sources including, but not limited to: Solar, Wind, Hydro generator, Inverter/Charger, DC generator, or stand alone battery charger.