

Solar-One Specifications

| Model # 12 Volts | 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 |

| Model # 24 Volts | 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 |

| Model # 48 Volts | 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.