



## Solar Freedom – USD PRICE LIST 2017

### SOLAR FLEX PACKAGE

Distributed by Carmanah, a Canadian company that manufactures industrial grade solar LED lights and solar power systems. The kit comes complete with two 100W panels, all the wiring and connections you need, and a digital 30Amp regulator with display screen. The panels are 1/8" / 3mm thick, slightly heavier than the others, but still great for a canvas installation. Quality is good, and the price point is even better.

MODEL	GP-FLEX-200W Kit (2 x 100W Panels)
Output Power	<b>200 W (2 Panels)</b>
Max Output @ 12V	11.24 A (5.62A each)
Dimensions (inches)	41.7 x 21.3 x 0.1
(mm)	1060 x 540 x 3
Weight	2.9 lbs (1.25kg) (each)
Controller	GP-PWM-30 Solar Controller
Package Price	<b>\$1,140 (\$570 per panel)</b>

### SOLBIAN SR SERIES

Solbian 'Super Rugged' panels are high quality, manufactured in Italy. These panels are at a middle price point. They can be deck level walk on panels, or affixed to canvas. 1/16" / 1.5mm thick and lightweight.

MODEL	SR 50	SR 60	SR 70L	SR 70Q	SR 104	SR 138	SR 156L	SR 156Q
Length (in/mm)	41"/1041mm	48"/1205mm	53.4"/1364mm	28.5"/728mm	41.2"/1046mm	54"/1364mm	60"/1515mm	41.2"/1046mm
Width (in/mm)	14.3"/364mm	14.3"/364mm	14.3"/364mm	26.9"/683mm	26.9"/683mm	26.9"/683mm	26.9"/680mm	39.2"/996mm
Weight	2 lbs.	2.2 lbs.	2.6 lbs.	2.6 lbs.	3.5 lbs.	5.2 lbs.	5.9 lbs.	5.9 lbs.
Power	<b>50 W</b>	<b>60 W</b>	<b>70W</b>	<b>70W</b>	<b>104W</b>	<b>138W</b>	<b>156W</b>	<b>156W</b>
Panel V	6V	7V	8V	8V	12V	16V	18V	18V
Max Current	4.1A	5A	5.8A	5.8A	8.7A	11.5A	13A	13A
Est. Yield	12-16Ahs/day	15-20Ahs/day	11-22Ahs/day	17-22Ahs/day	26-34Ahs/day	34-44Ahs/day	39-52Ahs/day	39-52Ahs/day
Price	<b>\$379</b>	<b>\$459</b>	<b>\$529</b>	<b>\$529</b>	<b>\$759</b>	<b>\$999</b>	<b>\$1129</b>	<b>\$1129</b>

### SOLBIAN SP SERIES

Solbian SP Series Panels have the highest output using 'SunPower' cells with up to 23% efficiency. Higher output, taking up less space. The quality is excellent and you will notice this in the construction. They are also lightweight and only 1/16" / 1.5mm thick.

MODEL	SP50L	SP50Q	SP62	SP75	SP100	SP112L	SP112Q	SP125	SP137
Length	44" /1109mm	24" /601mm	29" /728mm	33.7"/855mm	44"/1109mm	49"/1236mm	33.7"/855mm	54"/1363mm	59"/1490mm
Width	11.7"/292mm	21.7"/546mm	21.7"/546mm	21.7"/546mm	21.7"/546mm	21.7"/546mm	31.5"/805mm	21.7"/546mm	21.7"/546mm
Weight	1.8 lbs.	1.8 lbs.	2.3 lbs.	2.7 lbs.	3.3 lbs.	3.7lbs.	3.7lbs.	4.1 lbs.	4.5 lbs.
Power	<b>50 W</b>	<b>50 W</b>	<b>62 W</b>	<b>75 W</b>	<b>100 W</b>	<b>112W</b>	<b>112W</b>	<b>125 W</b>	<b>137 W</b>
Panel V	9V	9V	11V	13.3V	18V	20V	20V	22V	24V
Max current	4.2A	4.2A	5.2A	6.25A	8.4A	9.3A	9.3A	10.4A	11.4A
Est. Yield	12-20Ahs/day	12-20Ahs/day	15-22Ahs/day	19-25Ahs/day	25-40Ahs/day	28-45Ahs/day	28-45Ahs/day	32-50Ahs/day	34-55Ahs/day
Price	<b>\$499</b>	<b>\$499</b>	<b>\$599</b>	<b>\$699</b>	<b>\$999</b>	<b>\$1099</b>	<b>\$1099</b>	<b>\$1199</b>	<b>\$1499</b>

**Recommended Controller:** For most panels, GENASUN GV10 - \$130