SEAMLESS SOLAR SOLUTIONS

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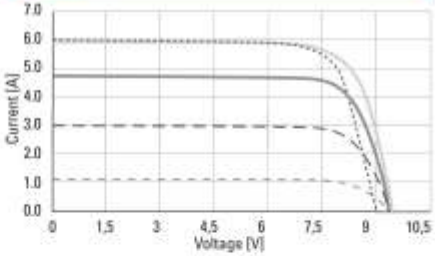
PHYSICAL CHARACTERISTICS		
Lenght	595 mm	(23.43")
Height	540 mm	(21.26")
Thickness	1,5 mm	(.065")
Weight	0,8 kg	(1.76 #)

ELECTRICAL CHARACTERISTICS	
Vmp (max power voltage)	9,20 V
Imp (Max power current)	5,51 A
Wp (peak power at stc)	50,70 W
Voc (Open circuit voltage)	10,88 V
Isc (short circuit current)	5,85 I
Efficiency (module)	17,14%
Max bending	25%

TEMPERATURE COEFFICIENTS	
Voltage	0,029V/°C
Power	-0,32%/°C
Current	+3,5 mA
NOCT	50+/-2°C

CURVE I-V



Current/voltage characteristics with dependence on irradiance and module temperature.

USING ONE (1) 50 WATT PANEL THE ESTIMATED TIME TO CHARGE A NEAR DEAD 48 VOLT 15 AMP HOUR LI ION POLYMER BATTERY TAKES ~ 14.4 HOURS OF BRIGHT CLEAR SUN (THIS ~2.8 DAYS) OR ~ 7.2 HOURS OF BRIGHT CLEAR SUN (THIS ~ 1.4 DAYS). OR SAID ANOTHER WAY, ONE FULL DAY (5-6 HOURS) OF FULL SUN MIDDAY CHARGING SHOULD YIELD A CHARGE LEVEL OF 75% TO 80% FULL.

USING TWO (2) 50 WATT PANELS THE ESTIMATED TIME TO CHARGE A NEAR DEAD BATTERY WOULD TAKE ~ 3.6 HOURS OF MIDDAY BRIGHT CLEAR SUN.

USING ONE (1) 50 WATT PANEL THE ESTIMATED TIME TO CHARGE A NEAR DEAD 36 VOLT 10 AMP HOUR LI ION POLYMER BATTERY TAKES ~ 7.2 HOURS OF BRIGHT CLEAR SUN (THIS ~1.4 DAYS). OR SAID ANOTHER WAY, ONE FULL DAY (5-6 HOURS) OF FULL SUN MIDDAY CHARGING SHOULD YIELD A CHARGE LEVEL OF 75% TO 80% FULL.

USING TWO (2) 50 WATT PANELS THE TOTAL ESTIMATED TIME TO CHARGE A NEAR DEAD 36 VOLT 10 AMP HOUR LI ION POLYMER BATTERY WOULD TAKE ~ 3.6 HOURS OF BRIGHT CLEAR SUN.

CONTACT: ALBERT NUNEZ, DIRECT VOICE: 202-270-50000 - EMAIL: solarnrgman@gmail.com

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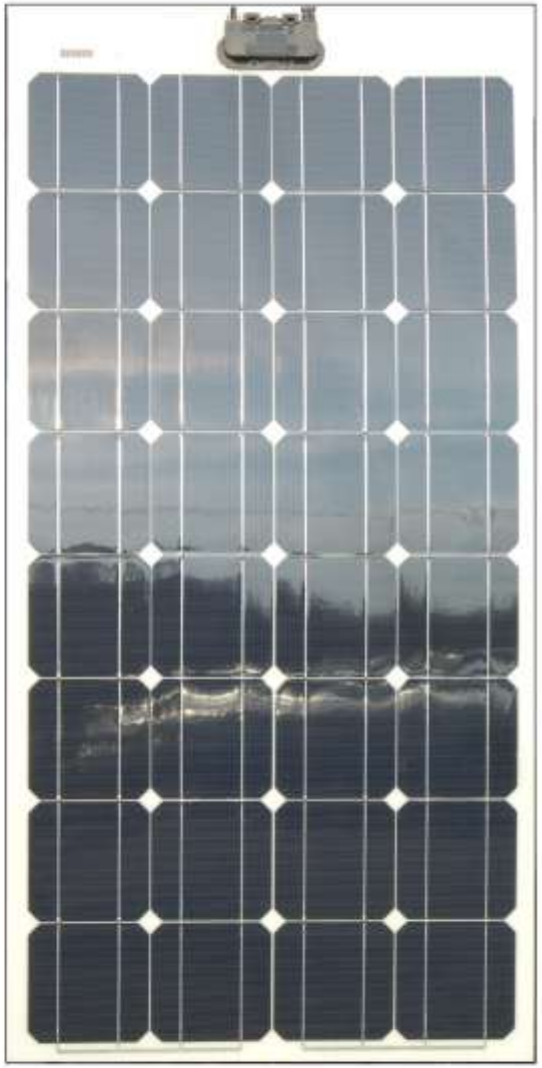
PHYSICAL CHARACTERISTICS	
Lenght	1380 mm (54.33)
Height	680 mm (26.77)
Thickness	1,5 mm (.065)
Weight	2,35 kg (5.17)

ELECTRICAL CHARACTERISTICS	
Vmp (max power voltage)	16,86 V
Imp (Max power current)	7,61 A
Wp (peak power at stc)	128,40 W
Voc (Open circuit voltage)	20,10 V
Isc (short circuit current)	8,10 I
Efficiency (module)	14,44%
Max bending	25%



USING ONE (1) 125 W PANEL THE ESTIMATED TIME TO CHARGE A NEAR DEAD 48 VOLT 15 AMP HOUR LI ION POLYMER BATTERY TAKES ~ 5.75 HOURS OF BRIGHT CLEAR SUN (~1.0 DAY) OR ~ 2.9 HOURS OF BRIGHT CLEAR SUN TO CHARGE A 36 VOLT 10 AMP HOUR BATTERY.

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FOLDABLE 246W HIGH EFFICIENCY SOLAR PANEL

TAN RIPSTOP BACKING	FOLDS TO 18"x 12"x 2"
SAE 2-PIN CONNECTOR	72"x 36"x 0.2" DEPLOYED
GROMMETS IN ALL CORNERS	NOMINAL POWER - 246Wp
VELCRO CLOSING STRAP	Voc (V) - 49.46
LARGE RUBBER HANDLE	Vmpp (V) - 41.9
MIL-SPEC 810F TESTED	Isc (A) - 6.28
27.3Wp/lb, 9 lbs Total	Impp (A) - 5.93

USING ONE (1) 246 WATT FOLDABLE SOLAR PANEL THE ESTIMATED TIME TO CHARGE A NEAR DEAD 48 VOLT 15 AMP HOUR LI ION POLYMER BATTERY TAKES ~ USING A 246 W STAR FOLD ABLE SOLAR PANEL THE TOTAL TIME TO CHARGE A NEAR DEAD BATTERY SHOULD TAKE ~ 3.0 HOURS DURING MID DAY CLEAR BRIGHT SUN.

USING ONE (1) 246 WATT FOLDABLE SOLAR PANEL THE ESTIMATED TIME TO CHARGE A NEAR DEAD 36 VOLT 10 AMP HOUR LI ION POLYMER BATTERY TAKES ~ 1.5 HOURS DURING MID DAY CLEAR BRIGHT SUN.

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12 Volt 5 Amp Charger

Qty	Description of basic components
1	Flexible solar module
10	Reinforced EPDM tabs with 1/4 " grommets
10	Landscape stakes
1	10 amp charge control
1	Carrying case
1	Central additional storage core
1	12 volt dc to 110 volt ac inverter with USB port
1	Positive Solar cable
1	Negative Solar cable
2	DC Cigarette lighter adaptors
1	Quick disconnect alligator clips

Basic Characteristics at STC		EPP10-71
Power (±5%)	Pm (W)	71
Open Circuit Voltage	Voc (V)	22.5
Short Circuit Current	Isc (A)	5.4
Voltage at Max Power	Vm (V)	16.7
Current at 12 Volts	I (A)	5
Length (±3 mm/0.12 in)	L (in)	115.9
Width (±3 mm/0.12 in —Kit Approx.)	W (in)	15.4
Weight	M (lbs)	11.7
Thickness	T (in)	0.06

Bag and contents may vary from picture

Possible application camper not included

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