

Complete Solar-Based Mobile Power Solution for Work Trucks

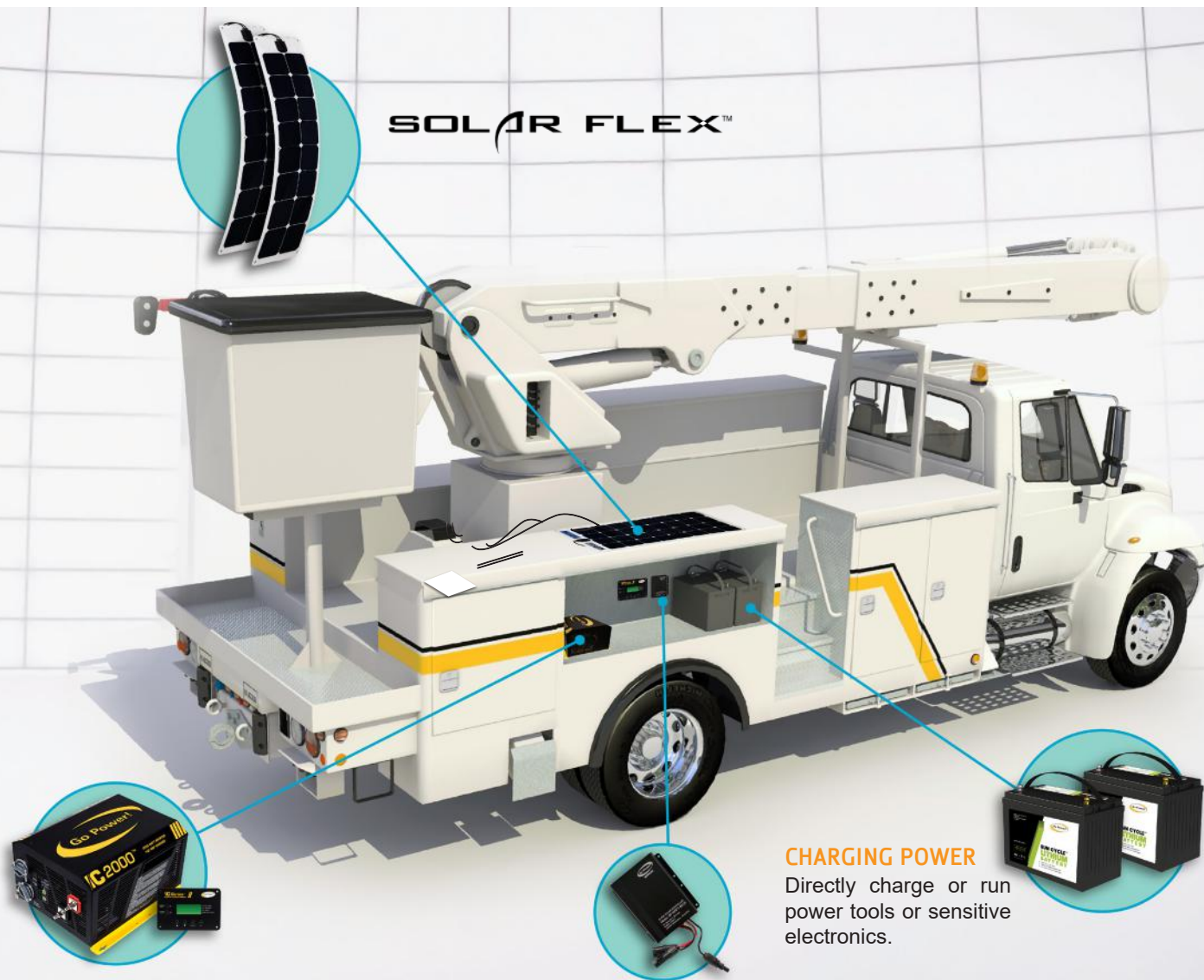


FLEET

GO POWER! SOLAR FLEX™ KITS

The thin, lightweight and flexible module contours to a truck cab, trailer body or truck box, with adhesive or screw mounting options. High efficient, marine grade solar cells will charge your batteries for years.

An independent and self-contained solar/battery system in a work vehicle can power equipment and ensure your entire fleet will start every time you turn the key.



INVERTER/CHARGER

The inverter charger is a space-saving, 3-in-1 system combining an inverter, battery charger and automatic transfer switch.

MPPT SOLAR CONTROLLER

Ensures maximum performance and yield from all types of PV systems year-round and in any environment.

CHARGING POWER

Directly charge or run power tools or sensitive electronics.

SPECIFICATIONS

IC 2000 INVERTER SPECS

Output Power (up to 40°C)	2000W
Surge Power (100 milliseconds)	4000W
Surge Power (5 seconds)	3400W
Peak Output Current	35A
Continuous Output Current	17A
Output Voltage	115 VAC
Output Frequency	60 Hz ±0.1Hz
Output Waveform	Pure Sine Wave
Efficiency (Peak)	90%
DC Input Voltage Range	9 - 17 VDC
Maximum Continuous DC Input Current	283 ADC
No Load Power Consumption	Normal Mode:25W, Sleep Mode: 5W
AC Connections	Split Phase In/Dual Out, Dual In/ Dual Out

IC 2000 CHARGER SPECS

Input Voltage Nominal	120 VAC
Input Voltage Range	80 - 140VAC
Input Current	15A
Input Power Factor Correction	0.97 typical
Optimal Efficiency	> 85%
Charge Control	3 stage with manual equalize
Output Voltage	5 - 16VDC
Output Current	100 ADC
Change Temperature Compensation	Remote Battery Sensor

IC 2000 TRANSFER RELAY SPECS

Transfer Time	16ms
Transfer Relay Rating	2 legs at 50A each (240V split-phase)

IC 2000 ADDITIONAL SPECS

Temperature	-20°C to 60°C (Over 40°C output derates)
Humidity	0 to 95% RH non condensing
Dimensions (inches)	13.7" x 12.6" x 8.07" (14.9" with terminals) 349 x 321 x 205 mm (378 mm with terminals)
Weight (lbs)	38.71 lbs (17.6 kg)
Regulatory and Safety Specifications	UL certified to 458 & 1741 (with Marine Supplement) and to CSA 22.2 No. 107.1-01 FCC Path 15, Class B

SOLAR FLEX™ 50 WATT PANEL

Cell type	Monocrystalline
Rated power (Pm)	50W
Maximum power voltage (Vmp)	17.6V
Maximum power current (Imp)	2.88A
Open circuit voltage (Voc)	19.0V
Short circuit current (Isc)	3.04A
Voltage coefficient	-60.8mV / °C
Power coefficient	-0.38% / °C
Current coefficient	-2.2mA / °C
Module efficiency	19.9%
Maximum system voltage	600VDC
Series fuse rating	10A
Weight	1.6 lb (0.72 kg)
Dimensions (inches)	44.9 x 11.3 x 0.1 in
Frame type / material	Laminated TPT backsheet, includes aluminum grommets
Max power tolerance	+/- 5%

30° max. recommended bend



MPPT CONTROLLER

Nominal System Voltage	12V/24V
Max Solar Array Current	20A
Battery Voltage Range	9V – 15.5V (12V system), 18 – 31V (24V system)
Max. Solar panel input voltage	85V
Operating Consumption	<10 mA
Temp. Compensation	-25mV / K (12V systems), -50mV/K (24V Systems)
Operating Temperature	-40 to 60°C
Humidity	99% N.C.
Dimensions (inches)	3.5 x 4.4 x 1.6
Weight (lbs)	1.38
Warranty	5 years
Protection	Battery Reverse Polarity, Solar Array Reverse; Polarity, Over Temperature, PV Short Circuit; Battery Short Circuit, Over Current

LITHIUM 100AH BATTERY

Technology	Lithium Iron Phosphate
Nominal Voltage	12.8 V
Nominal Capacity	100 Ah
Nominal Operating Temperature	77 ±5 °F (25 ±3 °C)
Maximum Charge Voltage	14.6 VAC
Maximum Discharge Current	100A (continuous); 120A (30 minutes); 150A (5 seconds)
Dimensions (inches)	12.9 x 7 x 9.2
Weight (lbs)	36
Warranty	10 years

All specifications are subject to change