



CONERGY

Conergy RV Kits

The key to success with any solar power system is proper sizing. Consult with your Conergy dealer.



Reliable Power Everywhere.

Solar panels convert the energy of the sun into an electrical current. When photons from the sun's rays hit the silicon surface of a solar cell, electricity is generated.

Power generated by your Conergy RV Kit charges your battery in a clean quiet manner. It gives you the freedom to camp with the comfort of electricity without having to worry about hook up fees or a generator.

Special Benefits of Conergy RV Kits.

Conergy RV Kits are available in various sizes. All solar power systems are expandable and can be customized to suit your needs. A Conergy Inverter can be added to any of our RV Kits to provide AC power for your standard household appliances.

The durability and simplicity of a Conergy solar panel guarantees clean, reliable power generation for 25 years. The digital charge controller supplied with a Conergy RV Kit is the industry leader with a 5 year warranty.

Conergy RV Kits include:

- | Solar Panel
- | Mounting Hardware
- | Digital Charge Controller
- | Power Cables
- | Installation Instructions

Available from:

CONERGY RV KITS



Conergy RV Kits

Sizing Worksheet

12V DC Appliances	DC Amps (est.)	x Qty	x Hours / Day Usage	= Total Amp Hours Per Day
10 Watt lights	0.85			
15 Watt lights	1.25			
Water pump	4			
12 Volt TV	3			
Fan	4			
Furnace	8			
12 Volt stereo	1			
Propane alarm	0.2			

120V AC Appliances	DC Amps (est.)*	x Qty	x Hours / Day Usage	= Total Amp Hours Per Day
TV	4			
VCR	3			
Satellite	4			
Microwave	100			
Toaster	65			
Coffee maker	60			
Blender	12			
Computer	25			
Laptop	5			

Weekly Usage Calculation

Total Amp Hours / Day: _____
 (sum of above averages)

x Days Per Week of Use: _____

= Total Weekly Amp Hours: _____
 (AHrs/week)

Battery Bank Calculation

Total Weekly Amp Hours: _____

÷ Allowable Depth of Discharge: 0.8

= Recommended Bank Size: _____
 (AHrs)

Inverter Sizing

Total DC Amps from AC Appliances: _____

x Conversion Factor: 12 V

= Req. Inverter Size: _____
 (minimum)

Conergy RV Kits**

Model	Weekly Output
RV-50	102 AHrs/week
RV-85	174 AHrs/week
RV-130	265 AHrs/week
RV-170	348 AHrs/week
RV-260	530 AHrs/week

Standard Batteries

Model	Standard Capacity
Group 24	90 Ahrs
Group 27	105 Ahrs
Group 31	120 Ahrs

Conergy Inverters

Model	Rated Output
300	300 Watts
1800	1800 Watts
2500	2500 Watts
3000	3000 Watts

* To convert AC Watts to DC Amps, divide total Watts by 12.

** Output based on 5 hours of sunlight per day for 7 days a week.