

# RUN YOUR 12V ACCESSORIES WITH THE POWER OF THE SUN

USE THE FOLLOWING GUIDE TO SIZE YOUR SYSTEM.

## Power Output

A 12V 15 Watt Solar Panel Generates 15 Watts of Power per Hour which is equal to 1 AMP of Current under Ideal Conditions:

$$15W @ 15V = 1 \text{ Amp}$$

## Weekly Output

In a typical week, a 15 Watt solar panel will generate:

$$735 \text{ Watts (49 Amps)} = 15W \times 7 \text{ hours/day} \times 7 \text{ days/week}$$

## Weekly Battery Charging Capability

735 Watts will provide approximately 49 Amps into a 12V Battery over a 7 day period.

## 12V Power Consumption Chart

### TYPICAL WATTAGE/HR REQUIREMENTS:

Bilge / sump pump	100
CB radio	5
Clock radio	5
Computer (laptop)	50
Cooler, 12V (3A) electric	36
Depth finder, 12V	5
Lights (compact 40W equiv.)	10
Satellite dish	30
Stereo	50
TV 12",	20

## Sample Solar Calculation of Power Output and Consumption:

In a typical week, a 15W solar panel can run ALL OF THE FOLLOWING:

ITEM	WATTAGE	HOURS OF USE
Bilge / sump pump	100	3
CB radio	5	10
Depth finder, 12V	5	9
Lights (compact 40W equiv.)	10	14
TV 12",	20	10

## NEED MORE POWER?

LINK UP TO 10 PANELS TOGETHER FOR INCREASED POWER