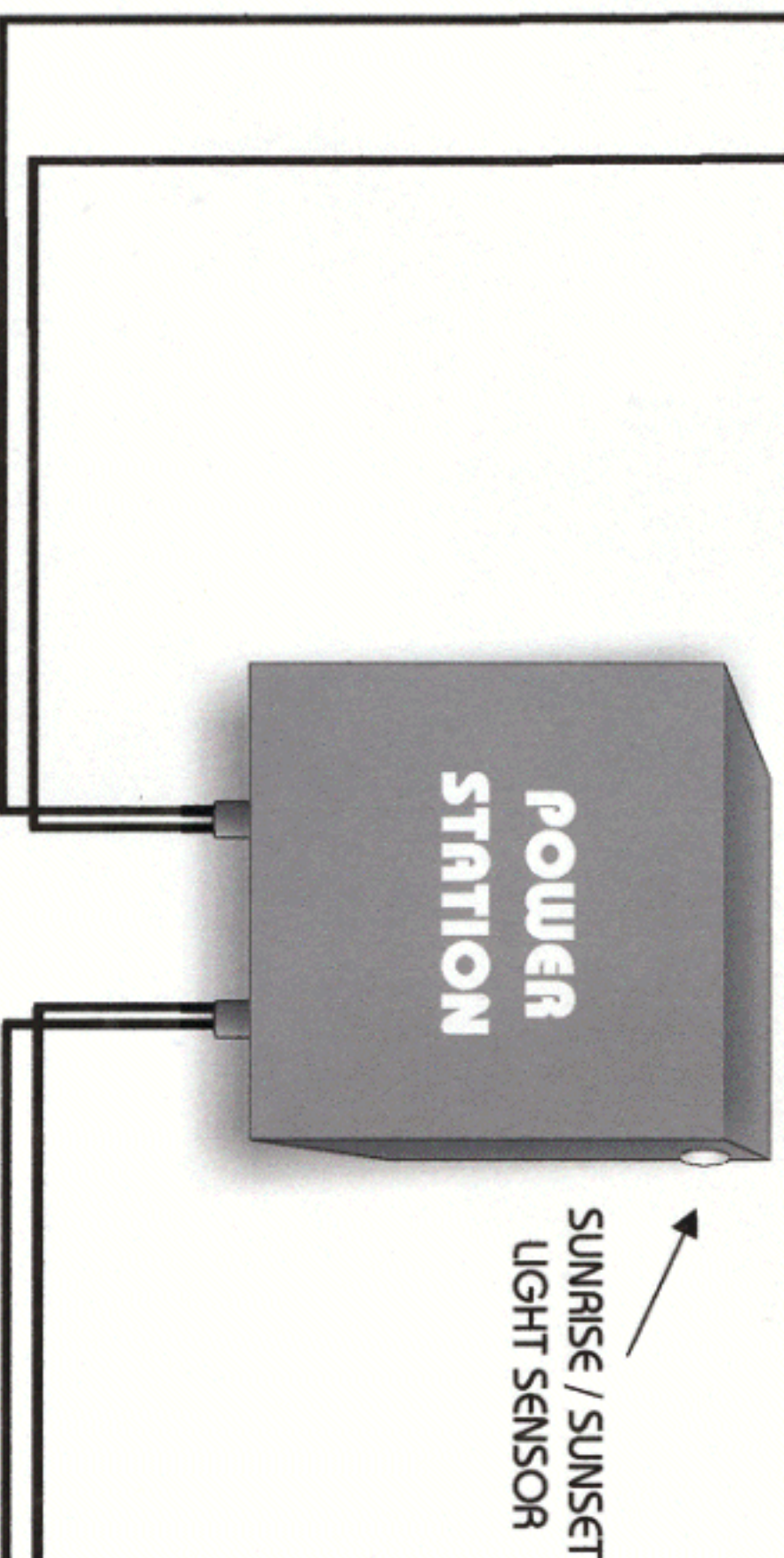


INFORMATION SHEET OF HOW DOES THIS WORK



MOST OF OUR INSTALLATIONS ARE SOLAR POWERED (SOME USE OUR "AC" MODELS) SO WE WILL DEAL WITH THE SOLAR ASPECT. THERE ARE 3 TYPES OF SOLAR PANELS... **SINGLE CRYSTALLINE, MULTI CRYSTALLINE AND AMORPHOUS.** SINGLE WILL GIVE YOU THE MOST POWER PER SQUARE FOOT, MULTI IS NEXT WITH ABOUT 2 TO 5 PERCENT LESS POWER PER SQ. FOOT. LAST IS AMORPHOUS THIS IS THE FIXABLE OR SOUD GLASS TYPE. THE AMORPHOUS TYPE TAKE ABOUT TWICE THE SQUARE FEET OF SURFACE TO PRODUCE THE EQUAL AMOUNT OF POWER. AMORPHOUS HAS A LOWER COST AND PRODUCES POWER IN LOWER LIGHT.

POWER STATION



HOW MUCH SOLAR POWER DO I NEED?

9 LED LIGHT NEEDS A.....**5** WATT SOLAR PANEL FOR 12 HOURS OF LIGHT
18 LED LIGHT NEEDS A..... **10** WATT SOLAR PANEL FOR 12 HOURS OF LIGHT
36 LED LIGHT NEEDS A**20** WATT SOLAR PANEL FOR 12 HOURS OF LIGHT
72 LED LIGHT NEEDS A.....**40** WATT SOLAR PANEL FOR 12 HOURS OF LIGHT
108 LED LIGHT NEEDS A.... **60** WATT SOLAR PANEL FOR 12 HOURS OF LIGHT
144 LED LIGHT NEEDS A.... **80** WATT SOLAR PANEL FOR 12 HOURS OF LIGHT
180 LED LIGHT NEEDS A...**120** WATT SOLAR PANEL FOR 12 HOURS OF LIGHT
252 LED LIGHT NEEDS A.. **140** WATT SOLAR PANEL FOR 12 HOURS OF LIGHT

YOU CAN "MIX and MATCH" OUR LEDS BY USING 9 IN ONE POSITION AND 36 IN ANOTHER, OR THREE 3 LEDS AND 9 LEDS IN A OUTDOOR LIGHT. A ROUGH POWER FIGURE IS EACH WHITE LED WILL USE 10 MILLIAMPS AT 12VDC. AN **EXAMPLE** IS.. 36 WHITE LEDS USE .360 MILLIAMPS PER HOUR (THIS IS ABOUT 1/3 OF AN AMP). YOU CAN FIGURE YOUR **POWER NEEDS** BY TAKING THE NUMBER OF LEDS TIMES 10 MILLIAMPS THEN, TIMES THE NUMBER OF HOURS YOU WANT THEM TO BE LT. NOW TAKE THAT NUMBER AND DIVIDE IT BY 6 (FOR THE HOURS OF GOOD SOLAR ENERGY). THAT GIVES YOU THE SIZE OR POWER YOU NEED FROM A SOLAR PANEL. **ONE (1) AMP OF POWER IS EQUAL TO ONE THOUSAND (1000) MILLIAMPS OF POWER.** YOU CAN LOWER THE POWER FIGURES AND SOLAR PANEL SIZE WITH TIMERS AND MANUAL SWITCHES.



OUR **POWER STATION** CAN BE ORDERED WITH OR WITHOUT SOLAR PANEL(S). WE CAN SUPPLY **OPTIONAL BATTERIES, CHARGE CONTROLLER AND 7 DAY PROGRAMMABLE TIMER.** IN OUR POWER PACKAGES THE **PS-5** AND **PS-10** DO HAVE NOT CHARGE CONTROLLERS. LARGER POWER STATION PACKAGES DO NEED A CHARGE CONTROLLER. ALL OF OUR COMPONENTS ARE MANUFACTURED BY US FOR USE WITH OUR LIGHTING SYSTEMS. THIS MEANS YOU ONLY HAVE ONE PERSON TO CALL FOR YOUR POWER AND LIGHTING QUESTIONS. THE PS SERIES BOX IS CONSTRUCTED OF COATED STEEL WITH MOUNTING HARDWARE. WE CAN ALSO OFFER A POWER BOX CONSTRUCTED OF PLASTIC FOR SEVERE MARINE ENVIRONMENTS. EACH PS-5 ANDPS-10 POWER STATION COMES WITH A 7 AMP HOUR SEALED BATTERY SUNRISE / SUNSET AND LOW VOLTAGE DISCONNECT SWITCH. THE PS SERIES HAS A COLOR CODED TERMINAL STRIP AND MOUNTING INSTRUCTIONS THIS OFFERS YOU FUNCTION AND BATTERY PROTECTION IN ONE PACKAGE.