

# SOLAR & WIND 300w TURBINE DUAL INPUT SYSTEM

300w WIND TURBINE  
WITH BUILT IN CONTROLLER  
12v/24v



Dual Battery Isolator

The voltage must be the same on both banks

12v/24v  
PURE SINE WAVE INVERTER

240VAC  
OUT

SOLAR  
PANELS

SOLAR  
CONTROLLER

DC BREAKER  
SWITCHES

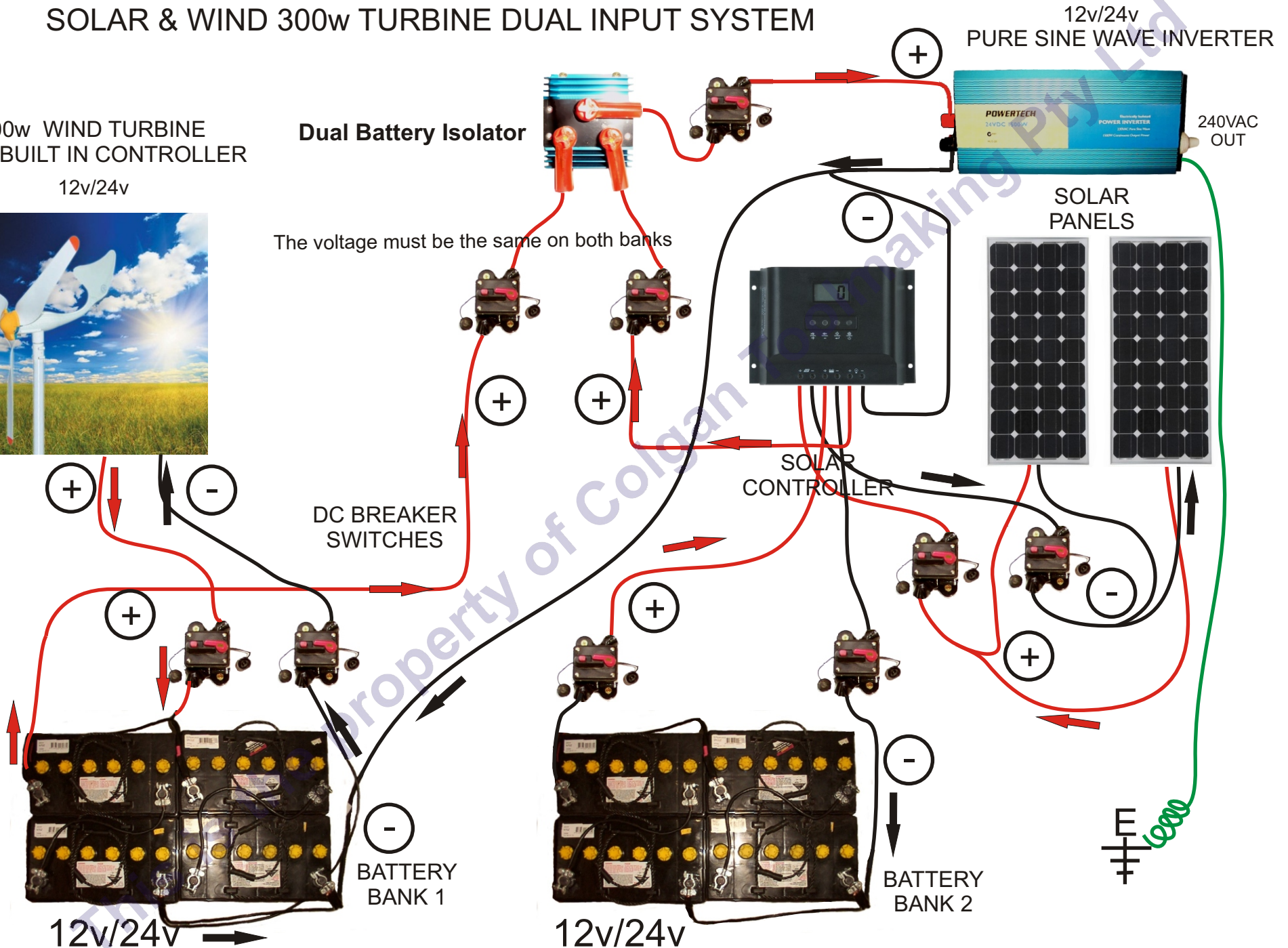
BATTERY  
BANK 1

12v/24v

BATTERY  
BANK 2

12v/24v

THIS IS NOT A GRID CONNECT SYSTEM



**You can't use a solar controller on the same bank of batteries as the 300w wind turbine, because they will give each other a false reading but you can work around this.**

#### WIND GENERATORS REQUIRE A DIFFERENT CONTROLLER TO SOLAR PANELS

They can be setup to supply one load by using a [Dual Battery Isolator](#). This will set you back about a \$100 plus another similar amount for a solar controller(you already have this) depending on how big you intend to grow your system.

Please take a look at the Diagram on page1 for an example of how it works. With the use of this item you can prevent the dumping of power from a charged bank of batteries to a discharged one. An important bit of info you might be interested in knowing is that the banks of batteries should be all identical in size, type and age as they will give the bank an uneven charge making it hard for the controller to work properly.

I hope this is of use to you.