

**AES**

ADVANCED ENERGY SOLUTIONS  
الطول المتطورة للطاقة



**SES**

SMART ENERGY SOLUTION

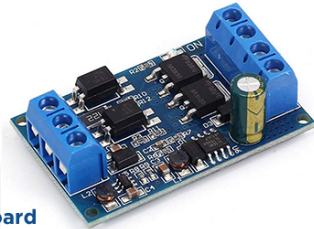


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# DATA SHEET

### Tube controller Board

It reads the EMF (Electromagnetic Field) know as waste

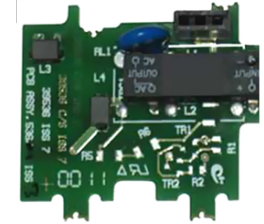


### Capacitor Bank



### Triac Board

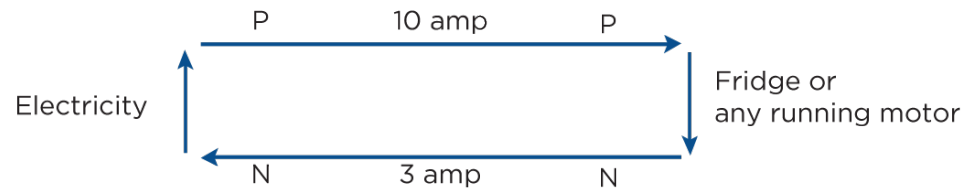
Unleash the electricity stored in the capacitor bank



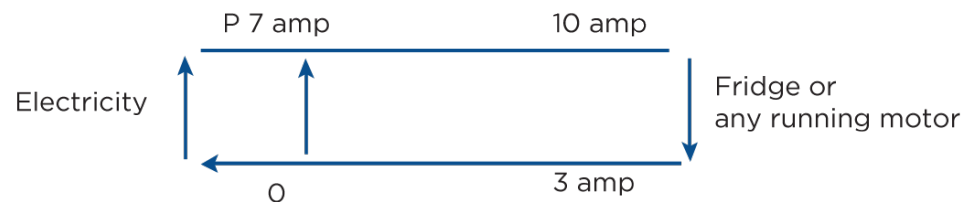
### Boards' components

- K1317 MOSTFET
- Capacitor 50 microF
- CP588
- DL4733A-TP
- D4846
- LM741
- TL431ACTI

Cycle 1: 10 amp (normal 10 amp usage of a fridge)



Cycle 2: SES installation in the cycle 1 process



## TECHNICAL DATA

FACTOR / UNIT	Min	Max
TEMPERATURE	-40 'c	80 'c
VOLTAGE	100 V	444 V
CURRENT	0 A	100 A
FREQUENCY	40 Hz	60 Hz
SAFETY OPERATION	+/- 5%	
INSTALLATION	SDB/SSDB	



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## WHY DO I NEED TO SAVE ENERGY?

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UP TO

**30%**

OR MORE OF THE ENERGY  
YOU PAY FOR **GOES  
UNUSED**

**40-60%**

OF YOUR POWER BILL COMES  
FROM **HEATING / COOLING &  
EVERY MOTORISED MACHINE**



DEWA AIMS TO REDUCE ELECTRICITY AND WATER  
DEMAND BY 30% BY 2030



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## WHY DO I NEED TO SAVE ENERGY?

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MOST **ELECTRIC MOTORS** RUN

AT

**80%**

EFFICIENCY OR LESS



CONSIDERABLE SAVINGS CAN BE ACHIEVED BY REDUCING THE COST OF RUNNING ELECTRIC MOTORS ACCORDING TO NASA & US DEPARTMENT OF ENERGY RESEARCH





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## SAVE ENERGY, SAVE THE EARTH

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- 🌐 GLOBAL WARMING IS A REAL THREAT!
- 🌐 REAP FINANCIAL BENEFITS NOW WHILE ALSO SAVING OUR PLANET.
- 🌐 ENERGY EFFICIENCY IS AN INVESTMENT IN YOUR FUTURE.
- 🌐 GO GREEN BY REDUCING YOUR CARBON FOOTPRINT.



**DUBAI, THE CITY WITH THE  
LEAST CARBON FOOTPRINT IN  
THE WORLD BY 2050.**





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## THE SOLUTION

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### OUR ENERGY SAVING UNIT:

- ⚡ PROUDLY MADE RIGHT HERE IN LEBANON!
- ⚡ DESIGNED TO MAKE THE MOTORS IN YOUR HOME OR BUSINESS MORE EFFICIENT
- ⚡ SAVES YOU UP TO 25% OR MORE ON YOUR ENERGY BILL PER MONTH
- ⚡ PROTECTS YOUR MOTORS & APPLIANCES FROM POWER SURGES!

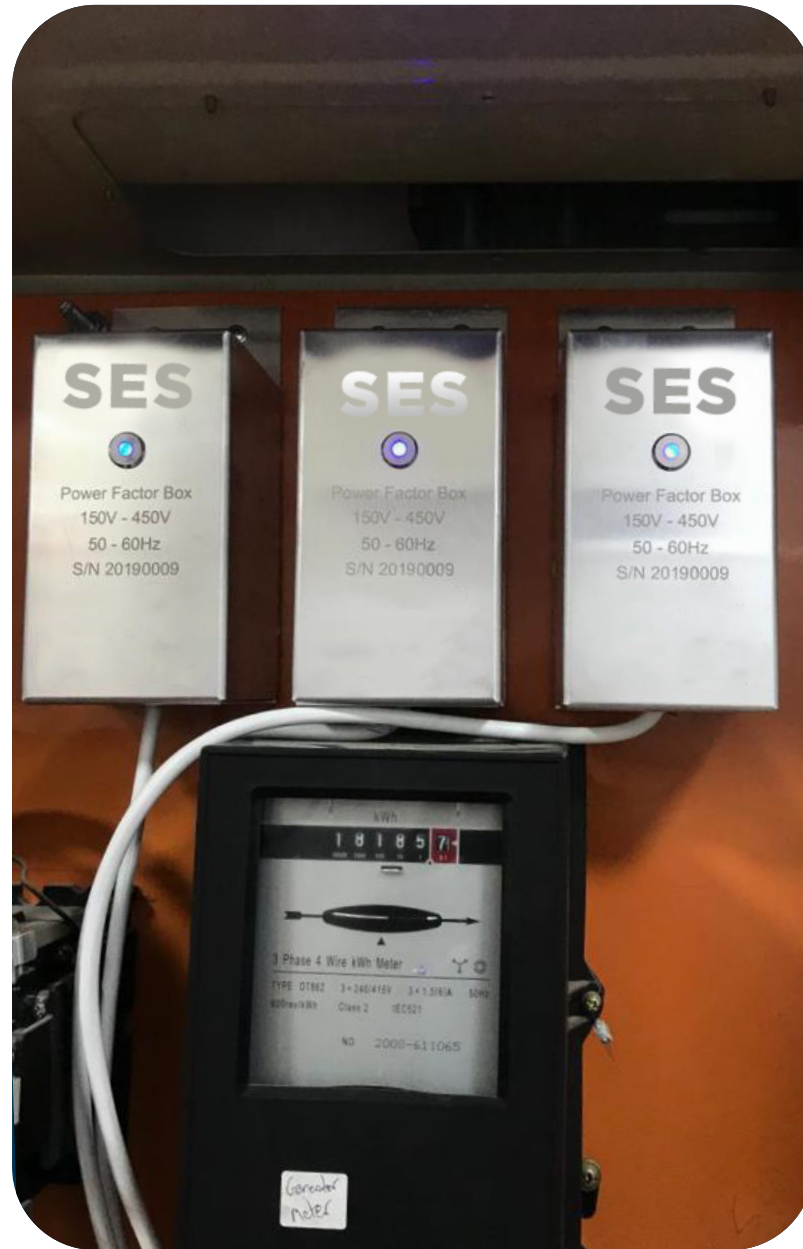




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## OUR PRODUCT

AES A1 SERIES:





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WHAT CAN WE DO FOR YOU?

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## OUR AES UNIT:







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## DO I HAVE MOTORS ON MY PROPERTY?

### DO YOU HAVE:

- ⚡ CENTRAL AIR CONDITIONER
- ⚡ POOL PUMPS
- ⚡ HEAT PUMPS
- ⚡ REFRIGERATOR
- ⚡ FREEZER
- ⚡ WASHER/DRYER
- ⚡ CELLING FANS
- ⚡ T-12 FLUORESCENT LIGHTING BALLAST
- ⚡ POWER TOOLS
- ⚡ ELEVATORS, ESCALATORS
- ⚡ ANYTHING WITH COPPER WINDINGS THAT CREATE ELECTROMAGNETIC FIELDS



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## YOU MAY HAVE SOME QUESTIONS...

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DO YOU HAVE PRODUCT LIABILITY INSURANCE?

- ⚡ YES, WE AS THE PRODUCT MANUFACTURER GIVE A 5 YEAR FULL WARRANTY POLICY TO PROTECT YOU AND YOUR LOVED ONES.





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## START SEEING A DIFFERENCE TODAY!

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A blue silhouette of a lightbulb hanging from a thin grey vertical line. The bulb is filled with white text.

REDUCE  
YOUR CARBON  
FOOTPRINT  
AFFECTING  
MANY  
GENERATIONS  
TO COME

A blue silhouette of a lightbulb hanging from a thin grey vertical line. The bulb is filled with white text.

EXTEND THE  
LIFE OF THE  
APPLIANCES  
& EXPENSIVE  
MOTORS  
ON YOUR  
PROPERTY  
NOW!

A blue silhouette of a lightbulb hanging from a thin grey vertical line. The bulb is filled with white text.

SAVE A  
TON OF  
MONEY  
ON YOUR  
ENERGY  
BILL!



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START SAVING

*Money*

& REDUCE YOUR ENERGY USAGE

*Now!*