

# alfanar

SMART SOLUTIONS

HOME ENERGY

Real-time metering and submetering for energy consumption and generation (single and three phase) with smart appliances monitoring analytics. Provide multi-location monitoring with tariff-rates alerts and forecasts the electricity bills with demonstration in terms of Currency & Kilo-Watt-Hours



## MONITOR CONSUMPTION AND GENERATION

Install **HomeEnergy** Meter in load centers, connect it to the wireless network and start monitoring your energy consumption in watts & currency. The meter can also measure a photovoltaic production.



## MULTI-LOCATION & GROUPING

Allows having multiple locations associated with the same user account, which is especially useful for more than one load center to aggregate all the consumption and generation.



## CONNECTED TO INTERNET

Consult from any place all the information of your electricity consumption via mobile application and web platform.



## IFTTT ALARMS

**alfanar HomeEnergy** Meter uses IFTTT the web-based service to send notifications, for example, "you exceeded The Energy Consumption for This Month". And Link your meter to other equipment compatible with IFTTT.



## ENERGY USED BY EACH HOUSEHOLD APPLIANCE

Identify the individual consumption of some home appliances using a single general meter, (virtual submetering). Just as a voice recognition system identifies words, **HomeEnergy** Meter identifies household appliances.



## BILLING ANY SELECTED PERIOD

Discover real savings opportunities and optimize the use of electricity in your home.



## LOCALIZED

**HomeEnergy** supports multi-languages including Arabic. It has different options for tariff rates and billing according to the selected country.



Toll free within K.S.A. : **800-124-1333**  
Overseas : **+966-11-494-5404**  
[www.alfanar.com](http://www.alfanar.com)

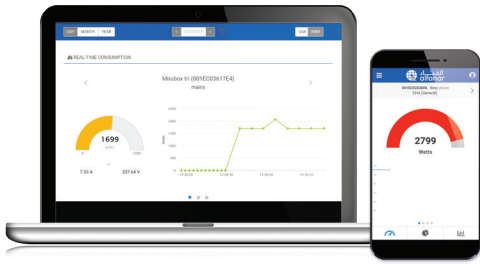


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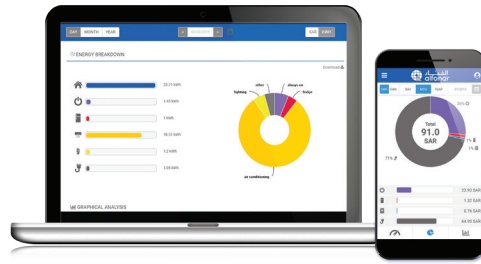
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## Real time consumption

Know the electricity consumption of your house to the second. Visualize the step of electrical consumption when turning on/off each device.



## Energy used by each household appliance

Discover the consumption of each appliance separately (virtual submetering). Put the focus on the most relevant consumptions!



## Consumption history

Analyze your electricity usage profile by day, month or year.



## Heat map for consumption habits

Historical record of the maximum electrical consumption in addition to a daily heat map that will help you to have better understanding of your energy consumption behavioural pattern.



## Technical Specifications

Power Supply	85 - 265V
Frequency	60Hz
Min Current Measurement	150mA
Voltage Measurement Error	1%
Current Measurement Error	1%
Power Measurement Error	2% (PF=1)
Communication Type	Wi-Fi (IEEE 802.11)
Protocol	HTTP, Modbus/TCP, XML
Frequency Range	2.405 - 2.480 GHz
Encryption	AES128
Certification	FCC (USA), IC (CANADA), ETSI (EUROPE)
Operating Temperature	-10°C - +45°C
Storage Temperature	-40°C - +85°C
Relative Humidity	10% - 90%
Maximum Altitude	2000m
Protection Degree	IP20
Insulation	Double insulation
Weight	125g
Standard	UNE-EN 61010-2-030:2011, UNE-EN 61326-1:2006, EN 301 489-17 V2.2.1



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