

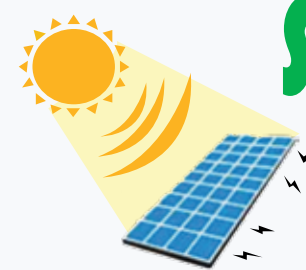


### Advantages of solar power:

It's clean, free, and reliable. The sun is ever present in Kenya all year around.  
 Its warranted for 25 years and an operational service life of over 35years  
 The backup include will ensure constant power whether grid is available or not  
 The system is self-financing. The savings derived from the cheaper self-generation will finance the project fully in principal and interest with a healthy saving every day.

### Contacts

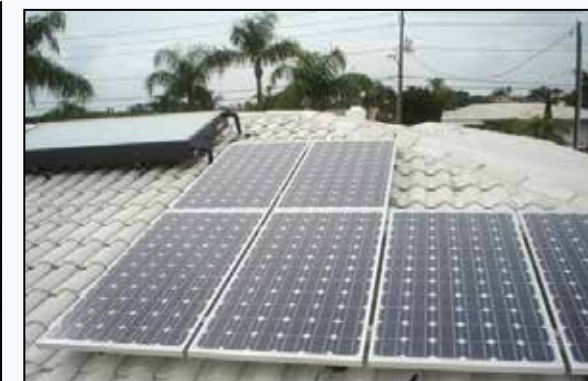
**SENTIMENTAL ENERGY CO LTD**  
**SILKWOOD OFFICE BUILDING –OFF NGONG ROAD**  
**PO BOX 103690-00101,**  
**NAIROBI.**  
**EMAIL;info@sentecltd.com/simiyu@sentecltd.com**  
**MOB:0725445459/0738261640**



# Sentimental Energy Company Ltd

Silkwood Office Suite, 5th Floor, Ngong Road  
 P.O. Box 103690 - 00101, Nairobi (Kenya)  
 Tel; +254 20 2045039, Email; info@sentecltd.com

### Solution for Small to medium scale Rooftop Solar Power solutions



### SYSTEM DESCRIPTION

Grid Tie System is the simplest and most cost effective way to connect PV modules to regular utility power. The system supplies solar power to your use and uses utility power as a backup. As long as there is enough electricity flowing in from your PV system, no electricity will flow in your loads from the utility company. If your system is generating more power than you are using, the excess will flow back into the grid providing an opportunity to sell back to the utility company through an agreed tariff rate. This brings income besides savings.

These 'mini power plants' will normally replace up to 50% of our clients KPLC power consumption currently priced between kshs 13-21 per kWh, with much cheaper generated solar power. The costs associated with fixed charge, fuel cost charge, forex adjustment, inflation adjustment, RC & REP levies, and VAT that contributes to about 15% of the total cost of power will be eliminated. Given the correct financing solution and tax optimization, which

Cell; +254 725 445 459/ +254 738 261 640 | Email; info@sentecltd.com

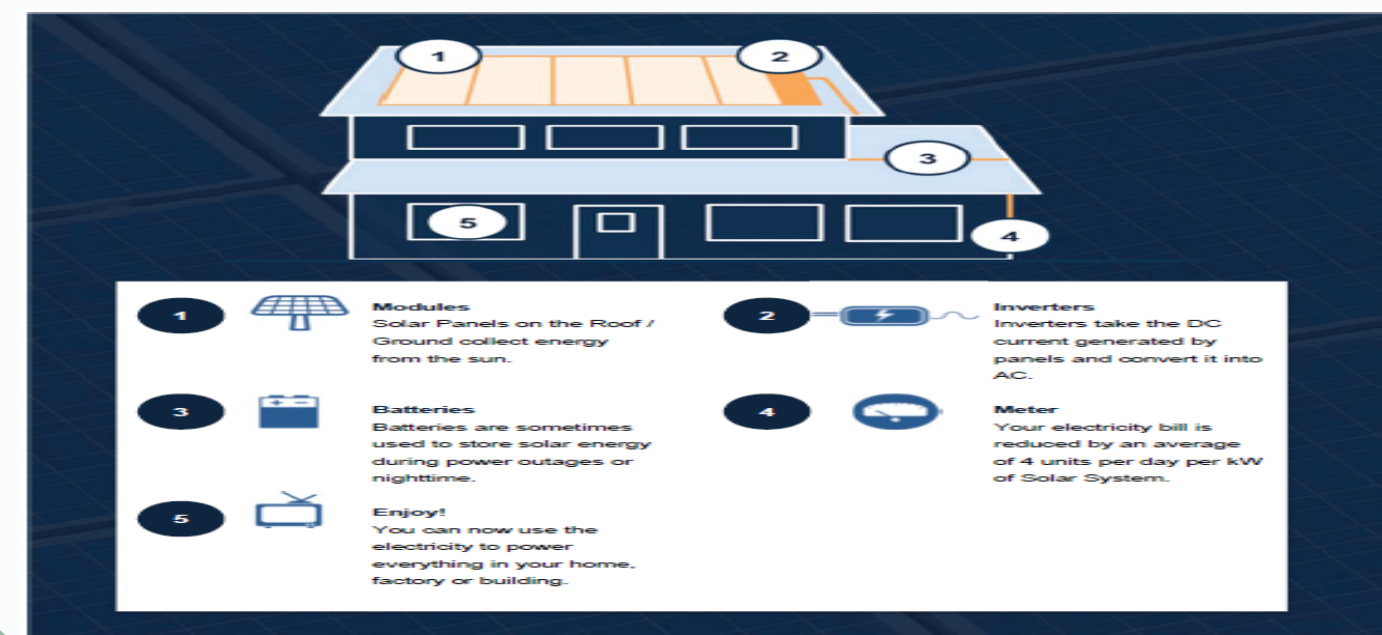


we assist our customers in understanding and securing, the solar generated power can be delivered for between kshs 5- 9 per Kwh.

How it works

The customer is billed for the net electricity purchased from the utility over the entire billing period—that is, the difference between the electricity coming from the power grid and the electricity generated by the PV system.

Technology Overview



Proposed Power Generation Scheme

The proposed scheme works on well researched package schemes. It deals with design and assembly of off grid and grid tie solar systems that can be installed as a package to already connected sites to lower electricity cost during day time and provide back up in times of power drips.

Typical system packages:

Package size	Power capability	Cost grid tie	Bill range
2kwp	C. home solution	360,000.00	Up to kshs 10,000.00
4kwp	Home and light office	720,000.00	Up to kshs 30,000.00
5kwp	Light office /commercial	900,000.00	Up to kshs 45,000.00

7kwp	Light office /commercial	1,260,000.00	Up to kshs 60,000.00
10kwp	Light commercial	1,800,000.00	Up to kshs 75,000.00
15kwp	Light commercial	2,700,000.00	Up to kshs 90,000.00
20kwp	Light /medium commercial	3,600,000.00	Up to 120,000.00
30kwp	Medium commercial	5,400,000.00	Up to kshs 200,000.00
40kwp	Medium commercial	7,200,000.00	Up to kshs 260,000.00
60kwp	Medium commercial	10,800,000.00	Up to kshs 350,000.00
80kwp	Light industrial	14,400,000.00	Up to kshs 450,000.00

NOTES: labor and mounting structure and installation charges will be costed separately. These packages are subject to energy survey audit at the client’s sites for optimal solution guidance.

Typical installations .  
Ground mounted PV system for light commercial application.



Roof installation : domestic /light commercial.