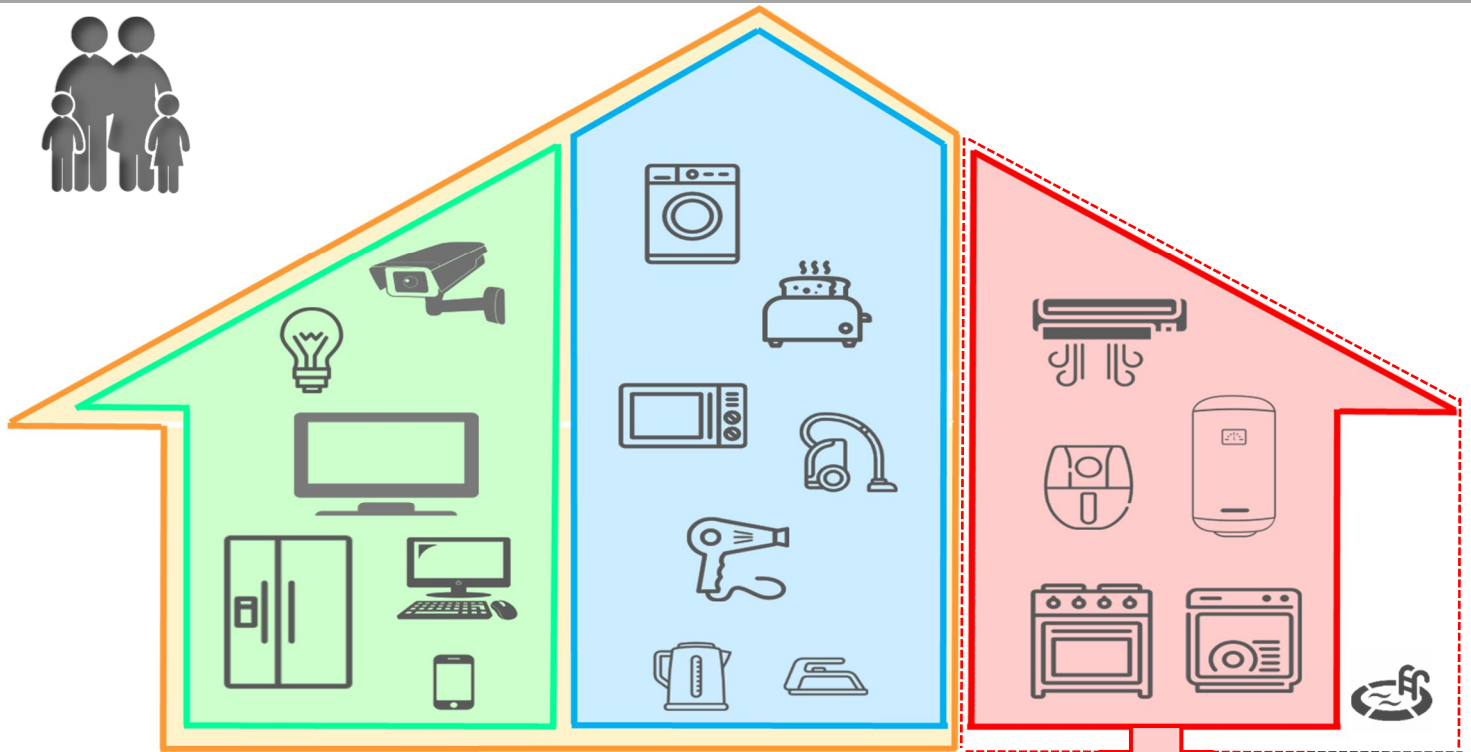




THE POWER OF CHOICE

LOAD SHEDDING SOLUTIONS FOR A TYPICAL FAMILY HOME

www.earthwise.co.za • 031 7162900 • 010 5008900 • info@earthwise.co.za



ESSENTIAL LOADS + NON-ESSENTIAL LOADS = CONVENIENCE

ESSENTIAL LOADS

TV • DSTV • LAPTOPS • WI-FI FRIDGE
LIGHTS • GATE MOTOR

NON-ESSENTIAL LOADS

WASHING MACHINE • IRON
MICROWAVE • HAIR DRYER

EXCLUDED LOADS

GEYSER • AIRCON • AIR FRYER
STOVE • SWIMMING POOL PUMP

LOAD SHEDDING SOLUTION FOR ESSENTIAL LOADS ONLY

Family Home continues to operate normally

1 x 5kW Inverter with 3,6kwh Li-ion Battery providing
2 to 3,5 Hours back-up time.
Battery re-charge time:
1 Hour 30 Minutes

From R39 000,00* Excl VAT

*Approximate price: subject to site suitability
*Including Installation
Terms & Conditions Apply

LOAD SHEDDING SOLUTION FOR CONVENIENCE

Family Choose what to use from Essential and Non-Essential Loads

1 x 5kW Inverter with 2 x 3,6kwh Li-ion Batteries providing
2 to 3,5 Hours back-up time
Battery re-charge time:
1 Hour 30 Minutes

From R57 000,00* Excl VAT

*Approximate price: subject to site suitability
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Terms & Conditions Apply



DTE Technologies offers Load Shedding Solutions to match the needs of a typical family home.

There is no reason for you to be left in the dark!

Best known for exceptional attention to detail and professional service, allow DTE to keep you switched on!

The above Load Shedding Solutions do not make use of SOLAR but our PV Specialists can advise on how to expand your system to include SOLAR POWER.

See overleaf for a practical guide of essential and convenience loads

THE POWER OF CHOICE

A PRACTICAL GUIDE TO CHOOSE THE BEST POWER SOLUTION FOR YOUR HOME

Typical consumption assuming sensible usage

Practical Guide for Essential Loads – Power Consumption

Item	Device or Appliance	Qty	Ave Watts	Minutes per hour	Hourly % Use	Average Whrs
1	Gate Motor (AC)	1	210	3	5	11
2	Security Alarm	1	7	60	100	7
3	5W LED Lights	24	5	30	50	60
4	7W LED Lights	10	7	30	50	35
5	TV - 60" LED	1	90	60	100	90
6	DSTV Decoder	2	57,5	60	100	115
7	Wi-Fi Router	1	8	60	100	8
8	Laptop Computers	2	90	60	100	180
9	Cell Phone Chargers	2	8,5	30	50	9
10	Fridge	1	150	20	33	49,5
11	Fridge + Freezer	1	275	20	33	83
12	Deep Freezer	1	125	20	33	37
13	Mini Fridge	1	100	20	33	33
14	Kettle	1	1600	6	10	160
15	Toaster	1	1150	6	10	115
16	Microwave oven	1	1600	6	10	160

Total Watts per Hour Essential Power Requirement Estimate **1153**

Essential Power Requirement: 1153 Total Watts per Hour

1 x 3,6kWh Battery = 2,88 kWh of usable battery capacity providing approx. 2,5 Hours of backup at a load of 1153 Watts

Battery Re-charge Time:
1 Hour 30 Minutes to 90% of total capacity

Cost of 1 x Battery Solution:

From R39 000,00* Excl VAT

*Approximate pricing: subject to site suitability

Practical Guide for Non-Essential Loads – Power Consumption

Item	Device or Appliance	Qty	Ave Watts	Minutes per hour	Hourly % Use	Average Whrs
1	TV - 40" LED	1	70	60	100	70
2	Gaming Console	1	150	60	100	150
3	InkJet Printer	1	60	3	5	3
4	Ceiling Fan	1	37,5	30	50	19
5	Pedestal Fan	1	55	30	50	28
6	Hair Curler/Straightener	1	62,5	12	20	12
7	Hair Dryers	1	2150	12	20	430
8	Washing Machine	2	90	30	50	90
9	Clothes Iron	1	1600	20	33	528

Total Watts per Hour Non-Essential Power Requirement Estimate **1330**

Non-Essential Power Requirement: 1330 Total Watts per Hour

**Essential Power Requirement:
1153 Total Watts per Hour**

+

**Non-Essential Power Requirement:
1330 Total Watts per Hour**

=

**Convenience Power Requirement:
2483 Total Watts per Hour**

Convenience Power Requirement: Total 2483 Watts per Hour

2 x 3,6kWh Batteries = 5,76 kWh of usable battery capacity providing approx. 2,32 Hours of backup at a load of 2483 Watts

Battery Re-charge of both batteries is 1 Hour 30 Minutes

Cost of 2 x Battery Solution: R57 000,00* Excl VAT

or

3 x 3,6kWh Batteries = 8,64 kWh of usable battery capacity providing approx. 3,48 Hours of backup at a load of 2483 Watts

Battery Re-charge of 3 batteries is 2 Hours

Cost of 3 x Battery Solution: R74 000,00* Excl VAT



TERMS AND CONDITIONS

Warranties: Inverter: 2 Years Manufacturer Warranty. Batteries 7 Year Manufacturer Warranty

Batteries: Manufacturer Warranties 6 000 re-charge cycles at 80% Depth of Discharge

*Prices are estimated • Prices include Installation • Prices Exclude Electrical Work

*Offer Subject to site suitability and physical inspection

Contact us:

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