



RC. NO. 280115

ORIENT PACK NIGERIA LIMITED
POWER BACK-UP SPECIFICATIONS AND LOAD CHARTS BROCHURE

SAVE POWER
USE SUN



Hebron Plaza, Plot 1019 Shehu Kangiwa Close
Gudu District F.C.T Abuja.
Tel: 07032077171
www.orientpack.co

Orient Pack Nigeria Ltd specializes in power distribution and viable alternative power back up solutions via solar energy. We harvest the sun to meet your energy need.

KEY OPERATIONS

Bank ATM power and UPS systems

Hospital equipment back-up systems

Solar hybrid systems design and installation

Inverter/ UPS systems sizing and installation

Solar refrigeration and Air conditioning systems

All-in-one solar street light supply and installations

A/C Powered Street Lighting projects design and execution

Solar borehole and water reticulation system design and installation

House wiring and installation of electrical sockets and switches

Power back-up for emergency lift operating systems (ELOS)

Power sub- station installation and energizing

Inverter system repairs and maintenance.

Solar power plants & mini grid systems



Capacity – 1kva Inverter System

Model; Inverter + Battery only

Back-up hours: 6-8hrs when fully charged



1 KVA LOAD-CHART

NUMBER OF BATTERIES		1 unit
	Load Selection	
1	Led/energy saving bulbs	5-8 points
2	Standing fan	1 unit
3	LED Plasma TV	1 unit
4	Home theatre	1 unit
5	Desktop or Laptop	1 unit

Capacity – 1kva Hybrid Inverter system
Model; Inverter + Battery + Solar panels
Duration: 24hrs



1 KVA LOAD-CHART

NUMBER OF BATTERIES		1 unit
NUMBER OF SOLAR PANELS		2 -3 units
Load Selection		
1	Led/energy saving bulbs	4-6 points
2	Standing fans	1 unit
3	LED Plasma TV	1 unit
4	Home theatre	1 unit
5	Desktop or Laptop	1 unit

Capacity – 1.5kva Inverter System
Model; Inverter + Battery only
Back-up Hours – 6-8hrs when fully charged



1.5KVA LOAD-CHART

NUMBER OF BATTERIES		2 units
Load Selection		
1	Led/energy saving bulbs	6 -10points
2	Standing fans	2 units
3	LED Plasma TV	1 unit
4	Home theatre	1 unit
5	Desktop & Laptop	1 unit each

Capacity – 1.5kva Hybrid system
Model – Inverter + Battery + Solar Panels
Duration: 24Hrs



1.5KVA LOAD-CHART

NUMBER OF BATTERIES		2 units
NUMBER OF SOLAR PANELS		4 - 6 units
Load Selection		
1	Led/energy saving bulbs	8 -10points
2	Standing fans	2 units
3	LED Plasma TV	1 units
4	Home theatre	1 unit
5	Desktop & Laptop	1 unit each

Capacity – 2kva Inverter System
Model; Inverter + Battery + Solar panels
Back-up Hours – 24Hrs



2KVA LOAD-CHART

NUMBER OF BATTERIES		2 units
Load Selection		
1	Led/energy saving bulbs	10-12 points
2	Standing fans	2 units
3	LED Plasma TV	2units
4	Home theatre	1 unit
5	Desk top & Laptop	1unit

Capacity – 2kva Hybrid Inverter system
Model – Inverter + Battery + Solar panels
Duration – 24Hrs



2KVA LOAD-CHART

NUMBER OF BATTERIES		2 units
NUMBER OF SOLAR PANELS		4 - 6 units
Load Selection		
1	Led/energy saving bulbs	10-12 points
2	Standing fans	2 units
3	LED Plasma TV	2units
4	Home theatre	1 unit
5	Desk top & Laptop	1unit each

Capacity – 3kva inverter system

Model – Inverter + Battery only

Back-up Hours: 6-8Hrs when fully charged



3KVA LOAD-CHART

NUMBER OF BATTERIES		2-4 units
Load selection		
1	Led/energy saving bulbs	10-14 points
2	Standing fans	3 units
3	LED Plasma TV	2units
4	Home theatre	1 unit
5	Desk top & Laptop	1unit each
6	Table top fridge	1 unit

Capacity – 3kva Hybrid Inverter System
Model – Inverter + Battery + Solar panels
Duration – 24Hrs



3KVA LOAD-CHART

NUMBER OF BATTERIES		2 - 4 units
NUMBER OF SOLAR PANELS		4 - 12 units
Load Selection		
1	Led/energy saving bulbs	10-14 points
2	Standing fans	3 units
3	LED Plasma TV	2units
4	Home theatre	1 unit
5	Desk top & Laptop	1unit each
6	Table top fridge	1 unit

Capacity – 3.5kva Inverter system
Model – Inverter + Battery only
Back-up Hours: 6-8Hrs when fully charged

Wall mounted type



Standing Type



3.5 KVA LOAD-CHART

NUMBER OF BATTERIES		4 units
Load selection		
1	Led/energy saving bulbs	14-16 points
2	Standing fans	3 units
3	LED Plasma TV	2units
4	Home theatre	1 unit
5	Desktop & Laptop	2units each
6	Fridge	1 unit
7	Small sized Freezer	1

Capacity – 3.5kva Hybrid Inverter System

Model – Inverter + Battery + Solar panels

Duration – 24Hrs

Wall mounted type



Standing Type



3.5 KVA LOAD-CHART

NUMBER OF BATTERIES		4 units
NUMBER OF SOLAR PANELS		8 - 12 units
Load Selection		
1	Led/energy saving bulbs	12-16 points
2	Standing fans	3 units
3	LED Plasma TV	2unit
4	Home theatre	1 unit
5	Desktop & Laptop	2units
6	Fridge	1 unit
7	Small sized Freezer	1

Capacity – 5kva Inverter System

Model – Inverter + Battery only

Back-up Hours– 6-8Hrs when fully charged



5 KVA LOAD-CHART

NUMBER OF BATTERIES		4 units
Load Selection		
1	Led/energy saving bulbs	16-18 points
2	Standing fans	3 units
3	LED Plasma TV	2unit
4	Home theatre	2 unit
5	Desktop & Laptop	2 units each
6	Table top fridge	1 unit
7	Fridge	1 unit
8	Small sized Freezer	1 unit

Capacity – 5kva Hybrid Inverter system
Model – Inverter + Battery + Solar panels
Duration – 24Hrs



5 KVA LOAD-CHART

NUMBER OF BATTERIES		4 units
NUMBER OF SOLAR PANELS		8 - 12 units
Load Selection		
1	Led/energy saving bulbs	16-18 points
2	Standing fans	3 units
3	LED Plasma TV	2unit
4	Home theatre	2 unit
5	Desktop & Laptop	2 units each
6	Table top fridge	1 unit
7	Fridge	1 unit
8	Small sized Freezer	1 unit

Capacity – 5kva Inverter System
Model – Inverter + Battery only
Duration – 6-8Hrs when fully charged



5 KVA LOAD-CHART

NUMBER OF BATTERIES		8 units
Load Selection		
1	Led/energy saving bulbs	18-20 points
2	Standing fans	3 units
3	Plasma TV	3units
4	Home theatre	3 units
5	Desktop & Laptop	2 units each
6	Tabletop fridge	2 unit
7	Big Fridge	1 unit
8	Deep Freezer	1 unit

Capacity – 5kva Hybrid Inverter
Model – Inverter + Battery + Solar Panels
Duration – 24Hrs



5 KVA LOAD-CHART

NUMBER OF BATTERIES		8 units
NUMBER OF SOLAR PANELS		16 - 24 units
Load Selection		
1	Led/energy saving bulbs	18-20 points
2	Standing fans	3 units
3	Plasma TV	3units
4	Home theatre	3 units
5	Desktop & Laptop	2 units each
6	Table top fridge	1unit
7	Big Fridge	1 unit
8	Deep Freezer	1 unit

Capacity – 7.5kva Inverter System
Model – Inverter + Battery + only
Back-up Hours – 6-8Hrs when fully charged



7.5 KVA LOAD-CHART

NUMBER OF BATTERIES		8 units
Load selection		
1	Led/energy saving bulbs	20-24 points
2	Standing fans	4 units
3	Plasma TV	4units
4	Home theatre	4 unit
5	Desktop & Laptop	4 units
6	Table top fridge	1 unit
7	Big Fridge	1 unit
8	Deep Freezer	1 unit

Capacity – 7.5kva Hybrid System
Model – Inverter + Battery + Solar Panels
Duration – 24Hrs



7.5 KVA LOAD-CHART

NUMBER OF BATTERIES		8 units
NUMBER OF SOLAR PANELS		16 - 24 units
Load Selection		
1	Led/energy saving bulbs	20-24 points
2	Standing fans	4 units
3	Plasma TV	4units
4	Home theatre	4 unit
5	Laptop	4 units
6	Table top fridge	1 unit
7	Big Fridge	1 unit
8	Deep Freezer	1 unit

Capacity – 10kva Inverter System

Model – Inverter + Battery only

Back-up Hours: 6-8Hrs when fully charged



10 KVA LOAD-CHARTS

NUMBER OF BATTERIES		8 units
Load selection		
1	Led/energy saving bulbs	24-30 points
2	Standing fans	4 units
3	Plasma TV	4units
4	Home theatre	4 unit
5	Desktop & Laptop	4 units
6	Fridge	1 unit
7	Deep Freezer	1 unit
8	1.5 Hp Split AC Inverter A/C	1 unit

Capacity – 10kva Hybrid System
Model – Inverter + Battery + Solar panels
Duration – 24Hrs



10 KVA LOAD-CHART

NUMBER OF BATTERIES		8 units
NUMBER OF SOLAR PANELS		16 - 24 units
Load Selection		
1	Led/energy saving bulbs	24-30 points
2	Standing fans	4 units
3	Plasma TV	4units
4	Home theatre	4 unit
5	Desktop & Laptop	4 units
6	Fridge	1 unit
7	Deep Freezer	1 unit
8	1 Hp Split AC	1 unit

Capacity – 10kva Inverter System

Model – Inverter + Battery + Solar panels

Back-up Hours – 6-8Hrs when fully charged



10 KVA LOAD-CHARTS

NUMBER OF BATTERIES		12 units
Load Selection		
1	Led/energy saving bulbs	30-35 points
2	Standing fans	6 units
3	LED Plasma TV	4units
4	Home theatre	4 units
5	Desktop & Laptop	4 units
6	Table top ridge	1 unit
7	Fridge	1 unit
8	Deep Freezer	1 unit
9	1.5 Hp Split inverter AC	2 units

Capacity – 10kva Inverter System
Model – Inverter + Battery + Solar panels
Duration – 24Hrs



10 KVA LOAD-CHARTS

NUMBER OF BATTERIES		12 units
NUMBER OF SOLAR PANELS		24 - 36 units
Load Selection		
1	Led/energy saving bulbs	points
2	Standing fans	4 units
3	LED Plasma TV	4units
4	Home theatre	4 units
5	Desktop & Laptop	4 units
6	Table top ridge	1 unit
7	Fridge	1 unit
8	Deep Freezer	1 unit
9	1.5 Hp Split inverter AC	2 units

Capacity – 10kva Inverter System

Model – Inverter + Battery + Solar panels

Back-up Hours – 6-8Hrs when fully charged



10 KVA LOAD-CHARTS

NUMBER OF BATTERIES		16 units
Load Selection		
1	Led/energy saving bulbs	points
2	Standing fans	4 units
3	LED Plasma TV	3units
4	Home theatre	3 units
5	Laptop	3 units
6	Table top ridge	1 unit
7	Fridge	1 unit
8	Deep Freezer	1 unit
9	1.5 Hp Split AC	2 units

Capacity – 10kva Hybrid System
Model – Inverter + Battery + Solar panels
Duration – 24Hrs



10 KVA LOAD-CHART

NUMBER OF BATTERIES		16 units
NUMBER OF SOLAR PANELS		32 - 48 units
Load Selection		
1	Led/energy saving bulbs	points
2	Standing fans	4 units
3	LED Plasma TV	3units
4	Home theatre	3 units
5	Laptop	3 units
6	Table top ridge	1 unit
7	Fridge	1 unit
8	Deep Freezer	1 unit
9	1.5 Hp Split AC	2 units

Capacity – 15kva Inverter System

Model – Inverter + Battery + Solar panels

Back-up Hours – 6-8Hrs when fully charged



15 KVA LOAD-CHART

NUMBER OF BATTERIES		16 units
Load Selection		
1	Led/energy saving bulbs	30-35 points
2	Standing fans	6 units
v3	Plasma TV	4units
4	Home theatre	4 units
5	Laptop	4 units
6	Table top ridge	1 unit
7	Fridge	2 units
8	Deep Freezer	2 units
9	1.5 Hp Split AC	3 units

Capacity – 15kva Hybrid Inverter System

Model – Inverter + Battery + Solar panels

Duration – 24Hrs



15 KVA LOAD-CHARTS

NUMBER OF BATTERIES		16 units
NUMBER OF SOLAR PANELS		32- 48 units
Load Selection		
1	Led/energy saving bulbs	30-35 points
2	Standing fans	6 units
3	LED Plasma TV	4units
4	Home theatre	4 units
5	Laptop	4 units
6	Table top ridge	1 unit
7	Fridge	2 units
8	Deep Freezer	2 units
9	1.5 Hp Split AC	3 units

Capacity – 15kva Hybrid Inverter System
Model – Inverter + Battery + Solar panels
Duration – 24Hrs



15 KVA LOAD-CHART

NUMBER OF BATTERIES		24 units
NUMBER OF SOLAR PANELS		48 - 72 units
Load Selection		
1	Led/energy saving bulbs	30-35 points
2	Standing fans	6 units
v3	Plasma TV	4units
4	Home theatre	4 units
5	Laptop	4 units
6	Table top ridge	1 unit
7	Fridge	2 units
8	Deep Freezer	2 units
9	1.5 Hp Split AC	3 units

Capacity – 20kva Hybrid Inverter System
Model – Inverter + Battery + Solar panels
Duration – 24Hrs



20KVA LOAD-CHARTS

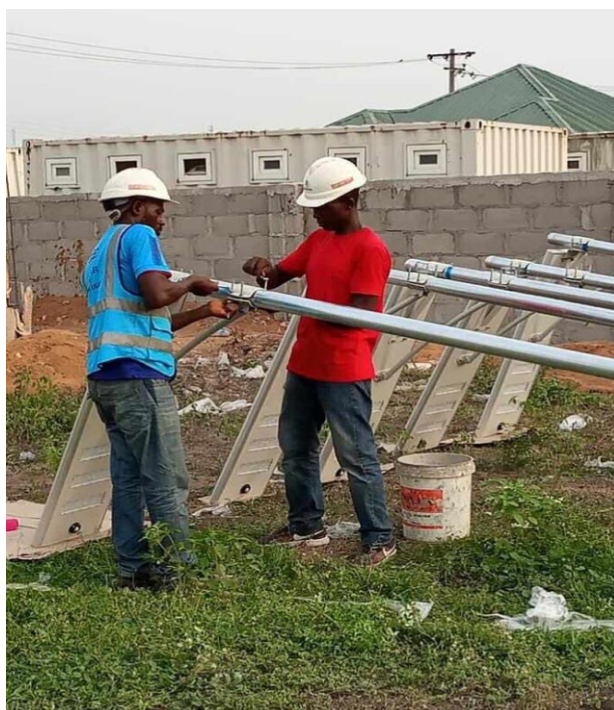
NUMBER OF BATTERIES		30 units
NUMBER OF SOLAR PANELS		60 - 90 units
Load Selection		
1	Led/energy saving bulbs	40-50 points
2	Standing fans	6 units
3	Plasma TV	6units
4	Home theatre	6 units
5	Desktop & Laptop	6 units
6	Table top ridge	3 units
7	Fridge	2 units
8	Deep Freezer	2 units
9	1.5 Hp Inverter Split AC	4 units

SOLAR WATER HEATER SYSTEM



SOLAR BORE HOLE





ALL IN ONE SOLAR STREET LIGHTING



ALL IN ONE SOLAR FENCE LIGHT



We harvest the sun to power⚡your home

