

Consistent Energy Limited

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6KW COMPLETE SOLAR POWER SYSTEM

➤ LOAD REFERENCE

No	Load	Description	Quantity	Total Watt	Usage hr/day	Total Watt-Hrs/day
1	Bulb	15W	30	450W	10	4.5KWh
2	Fan	60W	2	120W	8	960Wh
3	OX Fan	190W	2	380W	8	3.04KWh
4	TV	<150W	2	300W	10	1.8KWh
5	Decoder	50W	1	50W	10	500Wh
6	Home theater	130W	1	130W	10	1.3KWh
7	Freezer	<225W	1	225W	5	1.125KWh
8	Inverter AC	2HP	2	3KW	5	15KWh
9	Total			4.655KW		28.225KWh

➤ SYSTEM SPECIFICATIONS

No	Item Name	Description	Quantity
1	Solar panel	24V250W mono-crystalline	24
2	Charge Controller	60A/48V MPPT	2
3	Inverter	10KVA/48V	1
4	Battery	12V/200Ah Deep cycle battery	16
5	Panel Rails	Rooftop/ground mounting type	Lot
6	PV cables	10mm ²	Lot
Backup Time on full load			5hrs
Total Cost of installation + VAT			N5,854,000

Note: Cost is subject to site visit

➤ WARRANTY

No.	Item	Description
1	Solar panel	5-10 years
2	Battery	1 year @ 70% DOD
3	Inverter	1 Years
4	Charge Controller	1 years