

GREEN GENERATOR

Hybrid Sustainable Storage Power Solutions



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Salient Features



Instant Power Backup
No Interruption



Smart IoT enabled system



90% CO₂ Reduction



Modular & Scalable



Easy to Install & Maintain
Warranty 5 yrs



Range Starting from 5KVA



Hybrid Working Diagram

Specifications

INVERTER	Model No	SK-FH15	SK-FH45	SK-FH60
	Nominal Load Power	15KVA	45KVA	60KVA
	Max. PV Input/Output Power	30KWp / 22.5KW	90KWp / 67.5KW	120KWp / 90KW
	Charge Controller Type	2 nos MPPT	2 nos MPPT	2 nos MPPT
	Nominal Output Voltage	3x400/230V +N	3x400/230V +N	3x400/230V +N
	Inverter Efficiency (%)	92	92	92

BATTERY	Battery Type	Tubular Gel VRLA Battery	Tubular Gel VRLA Battery	Tubular Gel VRLA Battery
	Nominal Battery Capacity	48KWH	144KWH	192KWH
	DC Operating Voltage Range (VDC)	40-62	40-62	40-62
	Maintenance	Maintenance Free	Maintenance Free	Maintenance Free
	Cycle Life (Nos)	2000	2000	2000
	Depth of Discharge	80%		

PV PANEL	Type of Panel	Mono-crystalline (500-650 Wp)	Mono-crystalline (500-650 Wp)	Mono-crystalline (500-650 Wp)
	IP Rating	IP68	IP68	IP68
	Max. DC Power (upto)	20000 W	55000 W	75000 W
	Max. DC Voltage	900 VDC	900 VDC	900 VDC
	Effecincy%	21.5	21.5	21.5

ENCLOSURE	Material	GI Sheet
	Insulation	Thermally Insulated
	IP Rating	IP 65



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USP

- Standalone end to end “Plug and Play” solution.
- Site assessment and optimal space utilization through containerised models.
- Seamless integration of Inverter function with Battery Storage capacity.
- In-built Protection System for safe operation.
- Customer Help Center for remote assistance and trouble shooting.
- Safety & Protection Devices, Lightning Arrester(LA) & GI Earthing electrode included.
- Our system can be tailor made for your requirement.
- Tubular gel type VRLA Batteries with 6-8 years of life.



Solar Mini Grid & Micro Grid Systems



Independent Green Generator to get uninterrupted 24X7 power



On grid (optional) and Off-grid Systems



Support EHS Standards



Remote Monitoring option



Lucrative payback period (optional)



INSTALLATIONS IN NIGERIA



Wukari General Hospital
TARABA
**105kVA/230kW(PV)/
350KWH**
Hybrid Storage Power



Public Health Dispensaries
KADUNA
5/10/15 KVA
231 Nos.
Hybrid Storage Power
(Ongoing)



Gembu General Hospital
TARABA
**105kVA/230kW(PV)/
350KWH**
Hybrid Storage Power



Private Residence
BORNO
15KVA
Hybrid Storage Power



Skipper Experience
Center
LAGOS
15KVA
Hybrid Storage Power



State Government
KADUNA
1382 Nos.
Solar Street Lights

Many new orders of 15/45/60kva under supply and installation