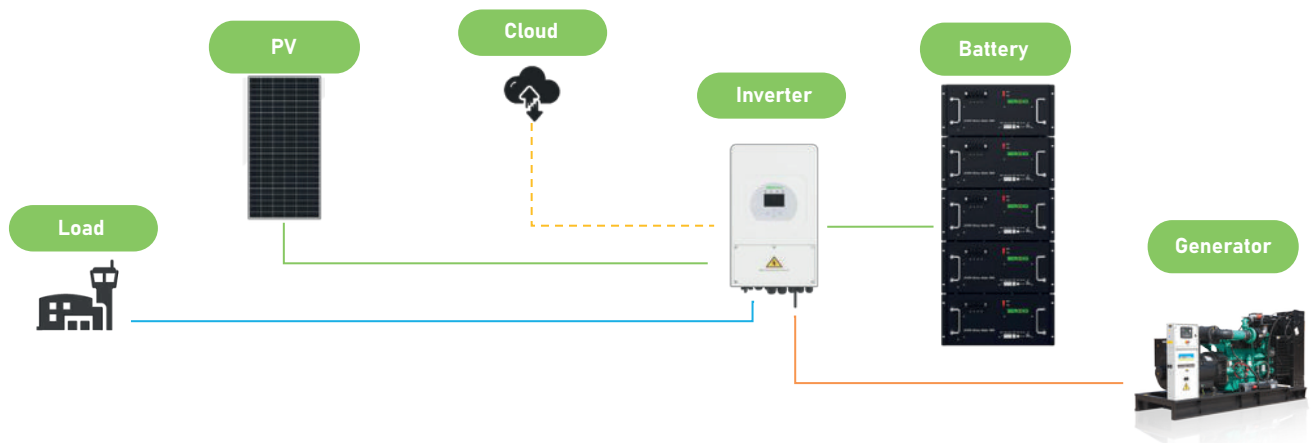


aksa POWER GENERATION

TELECOM SOLUTIONS



HYBRID
POWER



Power Priority	Highest	Secondary	Backup
	PV	Battery	Generator
Functions	Take load/charge	Take load	Take load/charge

A range of secure integrated hybrid power stations combining a diesel generator, solar power, battery storage, and a hybrid solar inverter in one secure unit. Primarily designed for residential power supply, they reduce dependence on the main power and decrease the consumption costs..

Benefits

- Integrated installation, storage, and transportation
- High return on investment with fast payback
- User-friendly operation and low-maintenance requirements
- Scalable power and capacity to meet diverse user needs
- Seamless transition between power sources



Warranty

Battery Performance: Up to 4000 cycles at 80% DOD or 1 years from the date of manufacture

Generator: 18 months from the date of manufacture or 1500 running hours (whichever comes first)



1-EMS control system



2.Fast outlet sockets. Up to IP65



3-Battery pack



4-Forklift holes at the bottom for easy transportation



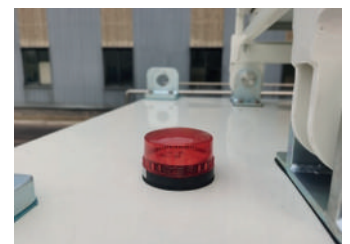
5-Stainless steel door locks



6-Stainless steel hinges



7-Lifting rings at the top



8-Work indicator light



SYSTEM

System Rated Output Power	10 kVA	20 kVA	30 kVA	50 kVA
Rated Power Factor	0,8 Lag	0,8 Lag	0,8 Lag	0,8 Lag
Rated Output Voltage	380V-415 V	380V-415 V	380V-415 V	380V-415 V
Rated Output Freq.	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Min.Battery Storage Capacity	10 kWh	20 kWh	40 kWh	112 kWh
Max.Battery Storage Capacity	40 kWh	40 kWh	112 kWh	112 kWh
Max.Solar Power	2300 Wp	2300 Wp	2300 Wp	2300 Wp
Outputs	Copper & Plugs (plugs type)	Copper & Plugs (plugs type)	Copper & Plugs (plugs type)	Copper & Plugs (plugs type)
Temperatures	from -20°C to 50°C	from -20°C to 50°C	from -20°C to 50°C	from -20°C to 50°C
System Design All-in-One	Grid-Solar-Generator-Battery - EMS	Grid-Solar-Generator-Battery - EMS	Grid-Solar-Generator-Battery - EMS	Grid-Solar-Generator-Battery - EMS
Control System	DSE	DSE	DSE	DSE
Remote Monitoring System	Yes	Yes	Yes	Yes
Control System Communication	Ethernet,4G/5G/LAN, WIFI	Ethernet,4G/5G/LAN, WIFI	Ethernet,4G/5G/LAN, WIFI	Ethernet,4G/5G/LAN, WIFI

GENERATOR

Prime Power	10kVA	20kVA	30kVA	50kVA
Engine	KUBOTA	KUBOTA	KUBOTA	CUMMINS
Fuel Tank Capacity	100L (bundled)	100L (bundled)	200L (bundled)	200L (bundled)
Alternator	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer
Fuel gauge	Yes (0%-100% from controller Screen)	Yes (0%-100% from controller Screen)	Yes (0%-100% from controller Screen)	Yes (0%-100% from controller Screen)
Canopy	Galvanized	Galvanized	Galvanized	Galvanized
Paint	Powder Coating with optional colours	Powder Coating with optional colours	Powder Coating with optional colours	Powder Coating with optional colours

SOLAR PANEL

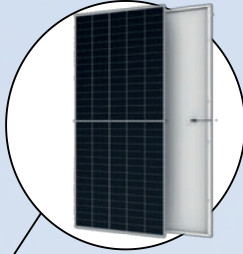
Maximum Power	460 Wpx5pcs	460 Wpx5pcs	460 Wpx5pcs	460 Wpx5pcs
PV Cell Style	PERC	PERC	PERC	PERC

ENERGY STORAGE BATTERY

Cell Type	LFP(LiFePO4)	LFP(LiFePO4)	LFP(LiFePO4)	LFP(LiFePO4)
Rated Cycle Life	≥4000 (80% DOD)	≥4000 (80% DOD)	≥6000 (80% DOD)	≥6000 (80% DOD)
Pack Capacity	5 kWh	5 kWh	16 kWh	16 kWh
Rack Voltage	51.2 VDC	51.2 VDC	358 VDC	358 VDC

HYBRID INVERTER SYSTEM

Solar Input	Allowed with external Solar array	Allowed with external Solar array	Max 60 kW	Max 75 kWp
AC Voltage Range	380-415VAC 50/60Hz	380-415VAC 50/60Hz	380-415VAC 50/60Hz	380-415VAC 50/60Hz
Rated Output Power	10 kVA	20 kVA	30kVA	50kVA(MAX.55kVA)
Isolation Switch	For solar (YES)	For solar (YES)	For solar (YES)	For solar (YES)
Brand	DEYE or Equal	DEYE	ISUNA or Equal	ISUNA or Equal



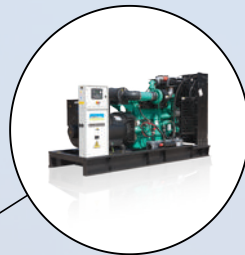
SOLAR PANEL

MAX. POWER

2300W

with HIGH EFFICIENCY

UP TO **21%**~



GENERATOR

MAX. POWER

16kW-48kW

with LOW CONSUMPTION



INTELLIGENT INVERTER

ONE PIECE FOR

**SOLAR & BATTERY &
GRID & GENERATOR**



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