

Off-grid Inverter

SPO-A Three Phase Series (10~500kVA)

- » High efficiency up to 95%
- » ECO mode efficiency more than 99%
- » Output isolation transformer

High Reliability:

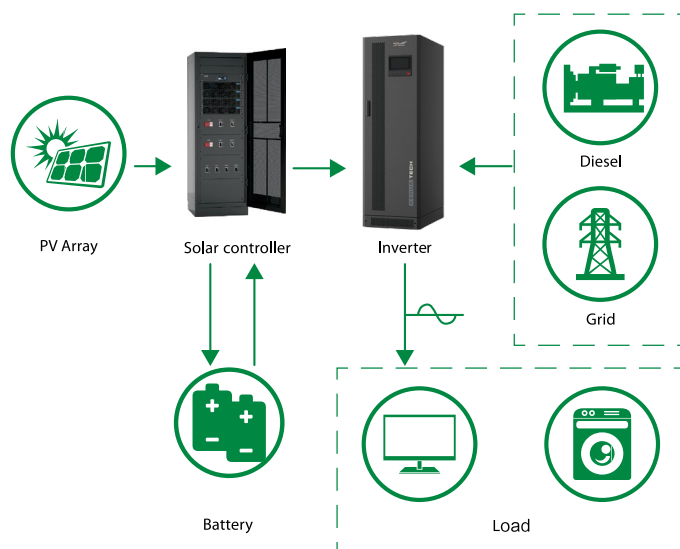
- Standard output isolation transformer
- Independent cooling air duct
- No-master-slave N+X parallel technology
- Corrosion, dust resistance and moisture proof design
- Double DSP and full digital control

Excellent Performance:

- Intelligent battery management
- Allow 3 phase loads 100% unbalance
- Wise generator management function
- Inverter efficiency up to 95%
- ECO mode efficiency more than 99%

Smart Management:

- User-friendly-Interface 10 inch touch screen
- Intelligent RS232/RS485
- 8+6 dry contact communication signals



Value-added Service:

- Customizable design
- Battery monitor system-MMBM
- IP grade upgraded
- Build-in isolated AC charger

Technical Specification:

Items	FR-UK3310-SPO-A	FR-UK3320-SPO-A	FR-UK3330-SPO-A	FR-UK3340-SPO-A	FR-UK3350-SPO-A	FR-UK3360-SPO-A	FR-UK3380-SPO-A	FR-UK33100-SPO-A	FR-UK33120-SPO-A	FR-UK33160-SPO-A	FR-UK33200-SPO-A	FR-UK33300-SPO-A	FR-UK33400-SPO-A	FR-UK33500-SPO-A	
Input															
Battery Voltage (Vdc)	348V										384V				
Output															
Rated Power (kVA)	10	20	30	40	50	60	80	100	120	160	200	300	400	500	
Power Factor	0.9														
Phase	3φ4W+GND														
Voltage (Vac)	L-N:220 L-L: 380 (230/240 settable)														
Frequency (Hz)	50/60±0.2%														
Wave Form	Sine wave, THD<3% at linear load														
Others															
Maximum efficiency	95%														
Overload Capacity	125% of rated load last for 10 minutes, 150% of rated load last for 1 second														
LCD Display	Output voltage, frequency, Battery voltage, Load, DC current etc.														
LED Display	Work status of inverter, fault indication and overloading														
Communication	RS232/RS485, dry connection communication signal														
Protection	Output short circuit, Overload, Over-temperature, battery low voltage, Output over/low voltage														
IP Grade	IP20														
Noise (dB)	<65														
Cooling	Fans														
Operating Temperature (°C)	-20°C ~ +40°C														
Relative Humidity	0 ~ 95%, No condensation														
Dimension (WxDxH) (mm)	500x800x1180			500x800x1600			700x800x1800			1400x1000x1850		1600x1000x1850		3000x1000x1800	
Weight (Kg)	230	250	300	400	450	520	600	650	825	1280	1568	1830	2050	4500	

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