



## Three phase output off-grid inverter

### Characteristics:

- Advanced IGBT module with high reliability.
- Realize various intelligent control functions basing on DSP full digital control technology.
- Perfect protection function, higher system reliability.
- Data communication through RS232 port or dry contact to realize monitoring of operation status.
- Aesthetic appearance, functional integrity, friendly human-machine interface.

### FR-UK33-SPO-A series Technical Specification:

Model	10K	20K	30K	40K	50K	60K	80K	100K	120K	160K	200K	300K	400K		
Input															
Battery Voltage (VDC)	348V														
Output															
Rated Power (KVA)	10	20	30	40	50	60	80	100	120	160	200	300	400		
Phase	3 $\phi$ 4W+GND														
Voltage (Vac)	L-N: 230 L-L: 400 (200,208,220 are available for customization)														
Frequency (Hz)	50 $\pm$ 0.2%														
Wave Form	Sine wave, THD<3% at linear load														
Efficiency	$\geq$ 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														
Protect	Output short circuit, Overload, Over-temperature, battery low voltage, Output over/low voltage														
Protection Level	IP20														
Noise (dB)	<65														
Cooling	Fans														
Operating Temperature(°C)	-20°C ~ +40°C														
Relative Humidity	0 ~ 95%, No condensation														
Dimension (W×D×H) (mm)	500×800×1180			800×800×1600			1000×800×1800			1000×800×1800		1600×1000×1800		2200×1000×2000	
Weight (Kg)	195	240	290	450	470	490	690	725	775	980	1190	2350	2580		

◆ We reserve the right of modifying specification and appearance.