

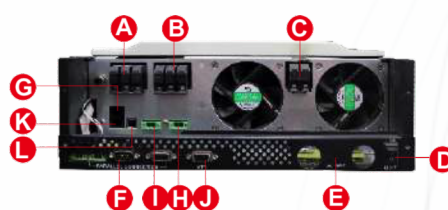
6G Feather Lite

3-5.5KVA INVERTER



Key Features:

- **Touch screen display.**
- PV and utility power the load at the same time (can be set).
- Output power factor **PF=1.0** .
- **On&Off Grid** with energy storage.
- **Energy generated record, load record, history information and fault record.**
- Structure with dust filter.
- AC charging start and stop time setting.
- External Wi-Fi device optional.
- Parallel operation up to 9 units .
- **Connected with battery optional.**
- **Wide PV input range 120-450VDC.**
- **Independent CPU.**
- **MAX PV Array power 5500W.**
- **Solar and Utility supply power to the load** When solar power is not sufficient to load.
- The CT sensor will monitor the power consumption of the system and will make sure no excess PV power is delivered to the Grid.



- A** AC input
- B** AC output
- C** PV input
- D** ON/OFF switch
- E** DC input
- F** Parallel connection terminal
- G** CAN
- H** Generator dry contactor
- I** CT
- J** Wifi
- K** RS232
- L** USB



MODEL	KSY-5KW 1ph 6G Feather Lite
Battery Input Data	
Battery Type	Lead-Acid or Lithium-Ion
Battery voltage range (v)	40-60
Max .charging current (A)	90
Max.discharging current(A)	120
Charging curve	3 STAGES/EQUALIZATION
Charging strategy for Li-ion battery	SELF-ADAPTION TO BMS
Pv string input data	
Max.dc input power (w)	6000
Rated pv input voltage (v)	360
Max .pv input voltage (v)	500
Min.pv input voltage (v)	120
Start-up voltage (v)	120v
Mppt range (v)	150-450
Full load dc voltage range(v)	280-360
PV input current (A)	20
Max.pv isc (A)	29
No Of Mppt	1
A/C output data	
Rated ac output &ups power (w)	5000
Max.ac output power (w)	5500
Peak power (off grid)	2 times of reted power,10sec
AC output rated current (A)	21.7
Max.ac current (A)	24
Max.continuous ac passthrough(A)	35
Power factor	0.8 leading to 0.8 lagging
Output frequency &voltage	50/60Hz; 220/230/240vac (single phase)
Grid type	single phase
Current harmonic distortion	THD<3%(LINEAR LOAD<1.5%)
EFFICIENCY	
Max.efficiency	97.60%
Euro efficiency	96.50%
Mppt efficiency	99.90%
PROTECTION	
pv input lighting protection	integrated
Anti-islanding protection	integrated
PV string input reverse polarity protection	Integrated
Insulation resistor detection	Integrated
Residual current monitoring unit	Integrated
Output over current protection	Integrated
Output shorted protection	Integrated
Output over voltage protection	Integrated
Surge protection	dc type III/ac type III
Certification &standards	
Grid connection standard	IEC61727 , IEC 62116
Safety EMC standard	IEC62109-1/-2
GENERAL DATA	
Operating temperature range (°c)	-25~60°C,>45°C detating
Cooling	Natural cooling
Noise (db)	<30db
Communication with bms	RS485;CAN
Weight(kg)	11.9
Dimensions (mm)	345x476x133.2
Protection degree	IP-21
Installation style	Wall-mounted
Warranty	5 years