

**ELIT K**  
Series

**Elit K Series Inverters Technical Specifications**  
LF Offgrid Inverter



MODEL	3048	5048	7548	10048	3060	5060	7560	10060	3110	5110	8110	10110	12110	15110	17110
Apparent Power (VA)*	3000	5000	7500	10000	3000	5000	7500	10000	3000	5000	5000	10000	12000	15000	17000
Active Power (W)*	2400	4000	6000	8000	2400	2400	6250	8000	2400	4000	4000	8000	9600	12000	13600
<b>INPUT</b>															
Voltage	48Vdc			60Vdc			110 Vdc								
Voltage Tolerance	± 10%														
Ripple	<3%														
Low Input Level	60Vdc			72Vdc			132Vdc								
High Input Level	40Vdc			54Vdc			99Vdc								
ByPass Voltage	220 Vac± 20%														
<b>OUTPUT</b>															
Voltage	220 Vac														
Voltage Tolerance	± 2%														
Frequency	50/60/83/400 Hz														
Frequency Tolerance	<± 0.4%														
Waveform	Pure Sine Wave														
THDv	< 6%														
Crest Ratio	3:1														
Overload	60 sec for 150% load@50Hz														
<b>GENERAL</b>															
Display	Graphic LCD														
Alarm Contacts	Available														
Output GND Isolation	2000 V														
Input Output Isolation	500 V														
Protections	Soft Start, Over Temperature, Short Circuit, Low Input Voltage, Low Battery, Overload														
<b>ENVIRONMENTAL</b>															
Operating Temperature	0 to 40 °C														
Storage Temperature	-40 ~ +70 °C														
Relative Humidity	0-95% (Non-condensing)														
Altitude	<2000 m														
Cooling	Forced Air Cooling														
Protection Level	IP20														
<b>PHYSICAL</b>															
Dimensions (WxDxH) mm	Up to kVA 315x535x435 ; Up to 10 kVA 460x600x550														
<b>STANDARDS</b>															
Harmonized Standards	EN 60950-1 (LVD), EN 61000-6-2-11-12 (EMC)														

\*Other powers can be manufactured per request.

**SINEWAVE INVERTERS**

The ELIT K series inverters produced in ESIS facilities with the latest technology, are power supplies providing the same voltage form as the utility. They have advanced technology of DSPs (Digital Signal Processors) to convert 48V, 60V and 110V DC voltages into 220 Vac, 50 Hz. These inverters can be utilized for the supplying of all electrical equipment without any trouble because of the pure sine wave at the output. Since the energy source is a DC voltage when there is no utility source, they can provide long-life energy in land, marine vehicles, industrial institutions, railways, military applications, telecommunication switchboards, energy production centers.

Thanks to the DSP technology, frequencies are available to be formed sensitively, with a little change in software; they can be reassigned as 60Hz, 83Hz and 400Hz. These inverters are available for all kinds of applications due to the wide input voltages, standard power options between 3000VA to 20.000 VA, silent performance, high efficiency, and pure sine wave.