

ELIT K Series

ELIT K Series Off-Grid Inverter Technical Specifications
3-20 kVA LF Off-Grid Inverter



MODEL	3048	5048	7548	10048	3060	5060	7560	10060	3110	5110	8110	10110	12110	15110	20110	
Apparent Power (kVA)*	3	5	7,5	10	3	5	7,5	10	3	5	8	10	12	15	20	
Active Power (kW)*	2,4	4	6	8	2,4	4	6	8	2,4	4	6,4	8	9,6	12	16	
INPUT																
Voltage	48 Vdc				60 Vdc				110 Vdc							
Voltage Tolerance	± 10%															
Ripple	< 3%															
Low Input Level	40 Vdc				54 Vdc				88 Vdc							
High Input Level	60 Vdc				72 Vdc				137 Vdc							
Bypass Voltage	220 (Optional 230/240) Vac															
OUTPUT																
Voltage	220 Vac (Optional 230/240 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@50 Hz															
GENERAL																
Display	Graphic LCD															
Alarm Contacts	Available															
Output GND Isolation	2000 V															
Input Output Isolation	500 V															
Protections	Soft Start, Over Temperature, High/Low Input Voltage, High/Low Output Voltage, Overload, Short Circuit															
ENVIRONMENTAL																
Operating Temperature	0 ~ 40 °C															
Storage Temperature	-40 ~ +70 °C															
Relative Humidity	% 0-95 (Non-condensing)															
Altitude	< 2000 m															
Cooling	Forced Air Cooling															
Protection Level	IP20															
PHYSICAL																
Dimensions (HxWxD) mm.	Up to 5 kVA 315x535x435:5-10 kVA:460x600x550 15-20 kVA:439x623x1186															
STANDARDS																
Harmonized Standards	EN 620400-1 (LVD), EN 62040-2 (EMC)															

*Other powers can be manufactured per request

OFFGRID SINE WAVE INVERTER

The ELIT K series inverters produced in ESIS facilities with the latest technology are power supplies providing the same voltage form as the grid. They have advanced technology of DSP (Digital Signal Processors) to convert 48V, 60V and 110V DC voltages into AC Voltage at desired frequency. 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 grid 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 3kVA to 20 kVA, silent performance, high efficiency, and pure sine wave.