

Devices that supply your critical loads with constant voltage and frequency in places and conditions where main supply electric is not available, by converting DC voltage supplied from the battery or director available in the system into 220 V AC. Products designed to be used in feeding electrical home apparatus such as TV, refrigerator, computer systems, office devices such as server and printer, electric motors and electronic devices.



## STRUCTURAL SPECIFICATIONS

- 1 - 120 kVA power interval
- 1 and 3 phase output voltage options
- Constantly supplying the load with resolute 220 VAC voltage and 50 Hz. frequency
- Static structure with PWM and IGBT technology
- True sinus output wave type
- Low cost energy production
- Galvanic isolation transformer at the output
- Protection against over current, over voltage and over temperature
- High non linear load capacity
- Series diode is available at input as precaution against the case of reverse connection of DC supply.
- Production with ISO-9001 Quality Management
- 2 years warranty
- 10 years spare part warranty
- Technical service support

## ESI Static Invertor Technical Specifications

MODEL	5	10	15	20	30	50	100	150	200	300	400	
Power	500 VA	1 KVA	1.5 KVA	2 KVA	3 KVA	5 KVA	10 KVA	15 KVA	20 KVA	30 KVA	40 KVA	
Power Factor	0.7											
<b>INPUT</b>												
Input Voltage	12VDC / 24 V DC / 48 V DC / 110 VDC / 220 V DC / 400 VDC alternatively											
Input Voltage Tolerance	+ %15 , -%20											
By-pass Voltage	EN50091											
<b>OUTPUT</b>												
Nominal Output Power	350 W	700 W	1050 W	1.4 KW	2.1 KW	3.5 KW	7 KW	10 KW	14 KW	21 KW	28 KW	
Output Voltage	220 VAC											
Output Voltage Tolerance	± %1											
Output Frequency	50 Hz											
Output Voltage Tolerance	± %0,2											
Efficiency (100 % load)	% 85-87											
Crest Factor	3:1											
Over load	100% - % 125 % load 2 min. 125 % - 150 % load 10 sec. up to 200% load immediatly cuts off the output											
Protection	Electronical short circuit protection											
THD	< %3											
LCD display	Input voltage, Output voltage, % load, output frequency, condition and failure infos. Overload, over temperature, input failure warning ext											
Communication	RS-232 communication port and SNMP monitoring port and software [ optional]											
<b>GENERAL</b>												
Maksimum Temperature	-10 °C ~ +40 °C											
Acoustic Noise	< 50 dB											
Hummudity [max.]	90 %											
Dimension [WxDxH] -cm	45 X 40 X 55					32 X 77 X 63			55 x 80 x 120			