

ELIT C

Series

ELIT C Series Ongrid Inverter Technical Specifications
110-500 kW 3 Phase On-Grid Central Inverter



ELIT C110



ELIT C500

MODEL	ELIT G 3110	ELIT G 3150	ELIT G 3250	ELIT G 3500
DC DATA				
Recommended PV Power (kW)	110	160	260	520
MPPT Voltage Range	580-850 Vdc			
Max. DC Voltage	1000 Vdc			
Max. DC Current	198A	270A	450A	900A
MPP Tracking	1		1 (on request 2)	
Number of DC Connections	4-8	4-8	4-10	4-15
DC Protection	Yes			
AC DATA				
Max AC Power (kW)	110	150	250	500
AC Grid Connection	L1, L2, L3, N, PE			
AC Rated Voltage	400 Vac +%10 - %20			
Frequency Range	50, 60 / 45 ... 65 Hz			
CosØ	0,9i...0,9c			
Max. AC Current	160A	217A	362A	724A
THDi	< 3%			
Max. Efficiency	98,80%			
EU Efficiency	98,00%			
CEC Efficiency	98,50%			
PROTECTIONS				
Over Voltage Category (AC/DC)	Type II			
AC Short Circuit	Electronic Protection			
Grid High / Low Voltage	Yes			
ENVIRONMENTAL				
Operating Temperature	-10 ~ +50 °C			
Cooling	Fan			
Altitude	<2000 m			
Acoustic Noise (from 1m.)	<70 dBA			
Protection Class	IP20, IP43			
COMMUNICATION				
Interface	RS485, MODBUS			
PHYSICAL				
Dimensions (WxDxH) mm.	840x680x1670		1000x868x1800	
Weight (kg)	290	315	540	685
STANDARDS				
EMC	EN 61000-6-2, EN 61000-6-4			
LVD	DIN EN 62109-1 , DIN EN 62109-2			
Grid Protection	VDE 0126-1-1			
Enviromental Class	DIN IEC 721-3-3			

GENERAL FEATURES

- 3 Phase Grid Connection
- Built-in MPPT
- IGBT Based PWM Technology
- High Efficiency
- DSP Controlled
- User Friendly LCD Panel
- Event History
- Adjustable Power Factor
- Optional Remote Management
- Easy to Use

ONGRID SOLAR INVERTER

ELIT C Ongrid Solar Inverter converts DC energy coming from PV Panels to AC Voltage and transfer it Interconnected Grid System. It uses built in MPPT algorithm and transfer maximum power to mains. User can track all electrical values of Inverter and produced power statistics by means of Advanced LCD Panel