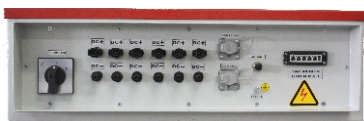


ELIT G

Series

ELIT G Series On-Grid Inverter Technical Specifications
20-30 kW Three Phase String PV Inverter



Bottom View

MODEL	ELIT-G 3020	ELIT-G 3030
DC DATA		
Recommended PV Power (kW)	24	32
MPPT Voltage Range	580-850 Vdc	
Max. DC Voltage	1000 Vdc	
Max. DC Current	42	63
MPP Tracking	1x Fast Precise MPP Tracking	
Number of DC Connections	6	
AC DATA		
Max AC Power (kW)	20	30
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	28,9	43,4
THDi	< 3%	
Max. Efficiency	98,10%	
EU Efficiency	97,50%	
CEC Efficiency	97,70%	
PROTECTIONS		
Overvoltage Category (AC/DC)	Type II	
AC Short Circuit	Electronic Protection	
Grid High / Low Voltage	Yes	
ENVIRONMENTAL		
Ambient Temperature	-10 ~ +50 °C	
Altitude	<2000 m	
Acoustic Noise (1 m.)	<50 dBA	
Protection Type	IP65	
COMMUNICATION		
Interface	RS485, MODBUS	
PHYSICAL		
Dimensions (WxDxH) mm.	480x325x705	700x325x705
Weight (kg)	45	50
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	
Environmental Classes	DIN IEC 721-3-3	
Certificate	CE	

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
- CE Certificate

ON-GRID SOLAR INVERTER

ELIT G solar inverter gets the energy from the PV panel and injects it to the grid. ELIT G has three levels IGBT technology inside therefore its efficiency is very high with respect to conventional solar inverters. Not only is nominal power, even if low power, its efficiency is very high. Beside the three levels technology, it has DSP (digital signal processor) technology. Thanks to DSP all the controls of the inverter are made by software. On the other hand, inverter has graphic LCD at front panel to display all the necessary information to the user including current, voltage, etc. Because of MPPT feature of the inverters, the maximum powers of the PV panels are tracked in every condition.