

ELIT G
Series

Elit G Series Ongrid Inverters Technical Specifications
10 - 30 kW - 3 Phase



Bottom view

MODEL	ELIT-G-3010	ELIT-G-3015	ELIT-G 3020	ELIT-G-3030
DC DATA				
Recommended PV Power (kW)	12	16	24	32
MPPT Voltage Range*	650-850 Vdc			
Max. DC Voltage	1000 Vdc			
Max. DC Current	23	31	42	63
MPP Tracking	1 x Fast, Precise MPP Tracking			
Number of DC Connections	6			
DC Circuit Breaker	Yes			
AC DATA				
Max AC Power (kW)	10	15	20	30
AC Grid Connection	L1, L2, L3, N, PE			
AC Rated Voltage	400 Vac ±%20			
Frequency Range	50, 60 / 45 ... 65 Hz			
CosΦ	0,9i...0,9c			
Max. Efficiency	14,5	21,7	28,9	43,4
THDi	< 3%			
Max. Efficiency	98,10%			
EU Efficiency	97,50%			
CEC Efficiency	97,70%			
PROTECTIONS				
Oversoltage Category (AC/DC)	Tip II			
AC Short Circuit	Electronic Protection			
Grid High/Low Voltage	Yes			
ENVIRONMENTAL				
Ambient Temperature	-10...+50 °C			
Cooling	Natural Convection	Natural Convection+Fan**		
Altitude	<2000 m			
Acoustic Noise(from 1m.)	<50 dBA			
Protection Type	IP55			
COMMUNICATION				
Interface	RS485			
PHYSICAL				
Dimensions (GxDxY) mm.	450x290x700			
Weight (kg)	50	54.5	59	
STANDARS				
EMC	EN 61000-6-2, EN 61000-6-4			
LVD	DIN EN 62109-1 , DIN EN 62109-2			
Grid Protection	(VDE 0126-1-1:2012- TSE K 192			
Environmental Classes	DIN IEC 721-3-3			
Certificate	CE			

*DC Voltage Range is 440-950 Vdc While DC-DC Converter operating. (Standard Devices does not including DC-DC Converter)

**Fan will run at high temperature.

GENERAL SPECIFICATIONS

- 3 Phases AC Grid Connection
- Three levels IGBT Technology
- Transformerless Construction
- High Efficiency
- DSP Control
- Graphic LCD Panel
- Easy to Use

ONGRID SOLAR INVERTER

ELIT G solar inverter gets the energy from the PV panel and injects it to the grid. It 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.