

ON-GRID SOLAR INVERTERS

3 kW to 60 kW



Residential



Commercial & Industrial



Higher Efficiency -
Lower LCOE



Compact Size &
Smart Air Cooling



RMS (Inbuilt Wi-Fi)
25 Year Monitoring



Comply to IEC
& BIS Standards



Extended
Warranty

Key Features & Benefits >>

Protections:

Anti-islanding/ AC Short-circuit/ Insulation Resistance
Monitoring/ AC & DC surge/ DC Reverse Polarity/ Ground
Fault/ Residual-current Monitoring Unit

Topology: Transformerless

Display: OLED/LED with touch button

Inbuilt DC switch & optional Zero Export feature

Max. DC Overloading: Up to 50%*

Warranty: 5 Years /7 Years/10 years**

Fast Service Support - Toll Free No. 1800 103 2600

Single Phase Range

Model No.		ELIO-3.3-S	ELIO-4.2-S	ELIO-5-S	ELIO-6-S
Inverter Rating (AC Power)	kW	3.3	4.2	5	6
Nominal Voltage	V DC	360	360	360	360
Max. DC Voltage	V DC	550	550	550	550
MPPT Voltage Range (DC)	V DC	65-550	80-550	80-550	80-550
Max. Input Current per MPPT	Amp	13	13.5	13.5	13.5
Max. Short-circuit Current per MPPT	Amp	16	16.9	16.9	16.9
No. of MPPT Tracker	Nos.	1	2	2	2
AC Output					
AC Nominal Power	W	3300	4200	5000	6000
Max. AC Apparent Power	VA	3300	4200	5000	6000
Nominal AC Voltage Range	VAC	230 (180-280)			
Max. Output Current	Amp	14.3	19	22.7	27.2
Efficiency					
Max. Efficiency	%	97.60%	98.40%	98.40%	98.40%
Euro Efficiency	%	97.10%	97.50%	97.50%	97.50%
MPPT Efficiency	%	99.90%	99.90%	99.90%	99.90%
Mechanical					
Dimensions (WxHxD)	MM	274x254x138	375x350x160		
Weight	Kg	6.2	10.8	10.8	10.8

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Three Phase Range

Model No.		ELIO-5-T	ELIO-6-T	ELIO-8-T	ELIO-10-T	ELIO-15-T
Inverter Rating (AC Power)	kW	5	6	8	10	15
Nominal Voltage	V DC	580	580	580	580	580
Max. DC Voltage	V DC	1100	1100	1100	1100	1100
MPPT Voltage Range (DC)	V DC	140-1000	140-1000	140-1000	140-1000	140-1000
Max. Input Current per MPPT	Amp	13	13	13	13	13/26
Max. Short-circuit Current per MPPT	Amp	16	16	16	16	16/32
No. of MPPT Tracker	Nos	2	2	2	2	2
AC Output						
AC Nominal Power	W	5000	6000	8000	10000	15000
Max. AC Apparent Power	VA	5500	6600	8800	11000	16500
Nominal AC Voltage Range	VAC	400 (340-440)				
Max. Output Current	Amp	8.3	10	13.3	16.7	25
Efficiency						
Max. Efficiency	%	98.30%	98.30%	98.60%	98.60%	98.60%
Euro Efficiency	%	97.50%	97.50%	98.10%	98.10%	98.20%
MPPT Efficiency	%	99.90%	99.90%	99.90%	99.90%	99.90%
Mechanical						
Dimensions (WxHxD)	MM	425x387x147			425x387x178	
Weight	Kg	12.5	12.5	14	14	16

Model No.		ELIO-20-T	ELIO-25-T	ELIO-50-T	ELIO-60-T
Inverter Rating (AC Power)	kW	20	25	50	60
Nominal Voltage	V DC	580	580	600	600
Max. DC Voltage	V DC	1100	1100	1100	1100
MPPT Voltage Range (DC)	V DC	160-1000	160-1000	200-1000	200-1000
Max. Input Current per MPPT	Amp	27	27/40.5	52/39/39	52/52/52
Max. Short-circuit Current per MPPT	Amp	33.8	33.8/50.7	55	55
No. of MPPT Tracker	Nos	2	2	3	3
AC Output					
AC Nominal Power	W	20000	25000	50000	60000
Max. AC Apparent Power	VA	22000	27700	55500	66600
Nominal AC Voltage Range	VAC	400 (340-440)			
Max. Output Current	Amp	31.9	40.2	80.5	96.6
Efficiency					
Max. Efficiency	%	98.75%	98.75%	98.80%	98.80%
Euro Efficiency	%	98.60%	98.60%	98.50%	98.50%
MPPT Efficiency	%	99.90%	99.90%	99.90%	99.90%
Mechanical					
Dimensions (WxHxD)	MM	525x395x222			680x508x281
Weight	Kg	23	23	52	52

Additional details (Common to all ratings):

- Protection degree - IP65
- AC grid frequency - 50 Hz (+/- 10%)
- Power factor 0.8 leading to 0.8 lagging
- THDi < 3% for all ratings
- Communication Interface: Wi-Fi / GPRS / RS-485/USB/ LAN/RF
- Operating Temperature: -25° C to +60° C
- Relative Humidity: 0 to 100% approx.
- EMC Standard: IEC 61000-6-1/2/3/4
- Compliant to following Certifications: IEC 62109-1 & 2, IEC 61683, IEC 60068-2-1/2/14/30, IEC 61727, IEC 62116
- BIS: IS 16221 (Part 2):2015/IEC 62109-2:2011 & 16169:2014/IEC 62116:2008

* Consult our experts for any clarifications

** Standard warranty 5 years - optional extended warranty up to 7 / 10 years available

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Product specifications are subject to change without notice
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