SOLAR **Inverters**

Tescom HELLAS

On-Grid Three Phase
5-16K

The compact and light weight three phase On-grid Solar Inverter by Tescom has the highest efficiency in the industry (max. 98.65%). It is designed for industrial use, but it can also be used for demanding home and office applications. It is built with high quality industrial-grade materials and non-rusting aluminum casing. It Self-adapts to weak grids and unstable power sources and has unmatched power density. It can connect to a smart phone for remote control and configuration via WiFi.

W¡Fi ™

WiFi
Connect your Inverter with your smart phone via WiFi. Monitor status, get notifications and change settings.

IP65

Waterproof, dustproof and all-weather.

10 YEAR WARRANTY

10 years warranty replaceable for hardware failure.

GENERAL SPECIFICATIONS

- Compact and light weight
- Contemporary design
- Unmatched power density
- Highest efficiency in the industry (max. 98.65%)
- Non-rusting aluminum casing
- Industrial-grade high quality components

- Fuseless and fanless design
- IP65 waterproof and dustproof
- Remote wireless data transmission and cloud storage
- Smart phone connectivity
- All-round lightning protection

Tescom HELLAS

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On-GRID Three Phase 5-16K

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MODEL	INV3005NS	INV3006NS	INV3008NS	INV3010NS	INV3013NS	INV3016NS
TESCOM CODE	**INV.0025**	**INV.0026**	**INV.0027**	**INV.0028**	**INV.0029**	**INV.0030**
INPUT DC						
Max. input power	6.5 kW	7.8 kW	10.4 kW	13 kW	16.9 kW	20.8 kW
Max. input voltage	1000 V					
Start-up voltage	180 V				250 V	
MPPT voltage range	120 - 950 V			200 - 950 V		
MPPT voltage range at full load	250 - 850 V	280 - 850 V	380 - 850 V	470 - 850 V	410 - 850 V	500 - 850 V
Max. input current	14 A / 14 A			11×2 A / 11 A		
Max. short circuit current	20 A / 20 A			12×2 A / 12 A		
Number of MPPTs	2					
Number of DC inputs	A:1 / B:1			A:2 / B:1		
OUTPUT AC						
Rated output power	5 kW	6 kW	8 kW	10 kW	13 kW	16 kW
Max. active power	5 kW	6 kW	8 kW	10 kW	13 kW	16 kW
Max. apparent power	5 kVA	6 kVA	8 kVA	10kVA	13kVA	16 kVA
Max. output current	7.3 A	8.7 A	11.6 A	14.5 A	18.9 A	23.2 A
Rated grid voltage	230 / 400 V, 3 W + N + PE					
Grid voltage range	176 – 276 V / 304 – 480 V *					
Rated grid frequency	50 / 60 Hz					
Grid frequency range	45 - 55 / 55 - 65 Hz *					
THD	< 3% (rated power)					
Output current DC component	< 0.5% In					
Power factor	> 0.99 (rated power)					
Power factor adjustable	0.8 leading ~ 0.8 lagging					
EFFICIENCY						
Max. efficiency	98.65%					
European efficiency	98.2%					
OTHERS						
Protections	Anti-islanding protection, output overcurrent/overvoltage protection, leakage current protection, DC reverse polarity protection, DC/AC surge protection, ground insulation resistance detection, DC switch (standard), PID prevention and restoration (optional)					
Communications	RS485, Wi-Fi, Ethernet/GPRS (optional)					
Display	LED, Bluetooth (optional)					
Self-consumption at night	< 1 W					
IP rating	IP 65					
Cooling	Natural cooling					
Isolation	Transformerless					
Standards	IEC/EN 62109-1, IEC/EN 62109-2, VDE AR-N-4105, AS/NZS 4777.2, VDE 0126-1-1, CEI 0-21, EN 50438, IEC 61683, IEC 61727, IEC 62116, EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4					
Operating temperature	-25C⁰ ~ +60C⁰ (> 45C⁰ downgrading)					
Relative humidity	0 ~ 100% (non-condensing)					
Altitude	2000 m					
Dimensions (W x D x H) (mm)	$515 \times 166.5 \times 435$					
Packaged dimensions (W x D x H) (mm)	$605 \times 536 \times 245$					
Net weight (kg)	25					
Gross weight (kg)	28					

The AC voltage and frequency range may vary depending on specific country grid.