

Beta Series Mini (700-3600)4G

4G SINGLE PHASE INVERTER



Features

- Maximum efficiency 97.3%.
- String current up to **14 A**.
- Super high frequency switching technology.
- Wide voltage range and low startup voltage.
- Precise MPPT algorithm.
- Intergrated Export Power Manager (EPM).
- AFCI protection, proactively reduces fire risk.
- Compact and lightweight.
- Friendly and adaptable connection to the grid.

Technical Specifications

MODELS	700-4G	1000-4G	1500-4G	2000-4G	2500-4G	3000-4G	3600-4G
INPUT DC							
Recommended Maximum PV Power	1.1 kW	1.5 kW	2.3 kW	3 kW	3.8 kW	4.5 kW	5.4 kW
Maximum Input Voltage	600 V						
Rated Voltage	200 V			330 V			
Start-up Voltage	60 V			90 V			
MPPT Voltage Range	50-500 V			80-500 V			
Maximum Input Current	14 A						19 A
Maximum Short Circuit Current	22 A						24 A
MPPT Number / Maximum Input Strings Number	1/1						1/2
OUTPUT AC							
Rated Output Power	0.7 kW	1 kW	1.5 kW	2 kW	2.5 kW	3 kW	3.6 kW
Maximum Apparent Output Power	0.77 kVA	1.1 kVA	1.65 kVA	2.2 kVA	2.75 kVA	3.3 kVA	3.6 kVA
Maximum Output Power	0.77 kW	1.1 kW	1.65 kW	2.2 kW	2.75 kW	3.3 kW	3.6 kW
Rated Grid Voltage	1/N/PE, 220 V/230 V						
Rated Grid Frequency	50/60 Hz						
Rated Grid Output Current	3.2 A/3 A	4.5 A/4.3 A	6.8 A/6.5 A	9.1 A/8.7 A	11.4 A/10.9 A	13.6 A/13 A	16 A
Maximum Output Current	4.4 A	5.2 A	8.1 A	10.5 A	13.3 A	15.7 A	16 A
Power Factor	>0.99 (0.8 leading - 0.8 lagging)						
THDi	< 3%						
EFFICIENCY							
Maximum Efficiency	96.6%		96.6%	97.1%	97.1%		97.3%
EU Efficiency	95.3%		95.4%	96.6%	96.7%		96.8%
PROTECTION							
DC Reverse-polarity Protection	Yes						
Short Circuit Protection	Yes						
Output Over Current Protection	Yes						
Surge Protection	Yes						
Grid Monitoring	Yes						
Anti-islanding Protection	Yes						
Temperature Protection	Yes						
Integrated AFCI (DC arc-fault circuit protection)	Yes ⁽¹⁾						
Integrated DC Switch	Optional						

⁽¹⁾ Activation required.

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GENERAL DATA							
Dimensions, W x H x D	310 x 373 x 160 mm						
Weight	7.4 Kg				7.7 Kg		
Topology	Transformerless						
Self-consumption (Night)	< 1 W						
Operating Ambient Temperature Range	-25°C ~ +60°C						
Relative Humidity	0-100%						
Ingress Protection	IP66						
Cooling Concept	Natural convection						
Maximum Operation Altitude	4000 m						
Grid Connection Standard	G98 o G99, VDE-AR-N 4105 / VDE V 0124, EN 50549-1, VDE 0126 / UTE C 15 / VFR:2019, RD 1699 / RD 244 / UNE 206006 / UNE 206007-1, CEI 0-21, C10/11, NRS 097-2-1, EIFS 2018.2, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530, MEA, PEA						
Safety / EMC Standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4						
FEATURES							
DC Connection	MC4 connector						
AC Connection	Quick connection plug						
Display	LCD						
Communication	RS-485, Optional: Wi-Fi, GPRS						

Product specifications are subject to change without further notice.