


Beta Mini (700-3600)-4G	Main Features
	<ul style="list-style-type: none"> • Mini inverter up to 3600 W. • Super high frequency switching technology. • Integrated DRM, fully compliant with AS4777.2:2015. • Compact and lightweight. • 50-500 V input voltage range - ultra-low initialization. • Over 97.5% Maximum efficiency. • Precise MPPT algorithm. • Intergrated Export Power Manager (EPM). • RS485 Interface, WiFi / LAN / GPRS (optional). • WiFi monitoring available - Iphone and Android apps available.

MODEL	Beta Mini 700-4G	Beta Mini 1000-4G	Beta Mini 1500-4G	Beta Mini 2000-4G	Beta Mini 2500-4G	Beta Mini 3000-4G	Beta Mini 3600-4G
INPUT DC							
Maximum DC Input Power (kW)	0.9	1.2	1.8	2.3	3	3.5	4
DC Input Voltage (V)	600						
Nominal DC Voltage (V)	200			330			
Output Voltage (V)	60			90			
MPPT Voltage Range (V)	50 - 500			80 - 500			
Maximum Input Current (A)	11						19
Maximum Short Circuit Current for each MPPT (A)	17.2						30
MPPT Number / Input Strings Number	1/A:1						1/A:2
OUTPUT AC							
Nominal Output Power (kW)	0.7	1	1.5	2	2.5	3	3.6
Maximum Apparent Output Power (kVA)	0.8	1.1	1.7	2.2	2.8	3.3	3.6
Nominal Grid Voltage (V)	220 / 230						
Operation Phases	Single						
Nominal Grid Output Current (A)	3.2 / 3.0	4.5 / 4.3	6.8 / 6.5	9.1 / 8.7	11.4 / 10.9	13.6 / 13	16
Output Current (A)	4.4	5.2	8.1	10.5	13.3	15.7	16
Power Factor (nominal output power)	0.8 Leading... 0.8 Lagging						
THDi (nominal output power)	< 3%						
EFFICIENCY							
Maximum Efficiency	97.2%				97.5%		
EU Efficiency	96.5%				96.8%		
MPPT Efficiency	> 99.5%						
PROTECTION							
DC Reverse-Polarity Protection	Yes						
Isolation Resistance Monitoring	Yes						
Residual Current Detection	Yes						
Surge Protection (DC / AC)	Yes						
Islanding Protection	Yes						
Integrated DC Switch	Optional						



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GENERAL DATA							
Dimensions (mm)	310W*373H*160D						
Weight (kg)	7.4				7.7		
Topology	Transformerless						
Self Consumption (night)	< 1W						
Operating Ambient Temperature Range	-25 ~ 60°C						
Relative Humidity	0 ~ 100%						
IP Protection	IP65						
Noise Emission (typical)	< 20 dBA						
Cooling Concept	Natural convection						
Maximum Operation Altitude	4000 m						
STANDARDS							
Grid Connection Standard	EN50549, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE4105-2018, G99						
Safety / EMC Standard	IEC62109-1/-2, NBT32004-2018, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4						
FEATURES							
DC Connection	MC4						
AC Connection	IP67 Rated plug						
Display	LCD, 2 × 20 Z.						
Communication Connections	4-pin RS485 connector						
Monitoring	WiFi or GPRS						
Warranty	5 / 10 / 15 / 20 years						

Product specifications are subject to change without further notice.

