

Beta 3P(12-20)K-4G	Main Features
	• 4G Three phase inverter. • Input voltage range of 160 V - 500 V. • Double MPPT, easy installation. • THDi < 1.5%, low harmonic distortion. • Over 98.0% Maximum efficiency. • RS485 Interface, WiFi / LAN / GPRS (optional). • Multiple protections levels. • WiFi monitoring available - Iphone and Android apps available. • 5 year standard warranty, optional 20-year extension.

MODEL	Beta 3P12K-4G	Beta 3P15K-4G	Beta 3P17K-4G	Beta 3P20K-4G
INPUT DC				
Maximum DC Input Power (kW)	14.5	18	20.4	24
DC Input Voltage (V)	1000			
Nominal DC Voltage (V)	600			
Output Voltage (V)	180			
MPPT Voltage Range (V)	160 - 850			
Maximum Input Current (A / B)	22A+22A			
Maximum Short Circuit Current for each MPPT (A)	34.3+34.3			
MPPT Number / Input Strings Number	2/A:2; B:2			
OUTPUT AC				
Nominal Output Power (kW)	12	15	17	20
Maximum Apparent Output Power (kVA)	13.2	16.5	18.7	22
Nominal Grid Voltage (V)	400			
Operation Phases	Tres			
Nominal Grid Output Current (A)	17.3	21.7	24.6	28.9
Output Current (A)	19.1	23.8	27	31.8
Power Factor (nominal output power)	0.8 Leading... 0.8 Lagging			
THDi (nominal output power)	< 1.5%			
EFFICIENCY				
Maximum Efficiency	98.7%			
EU Efficiency	98.1%			
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	Yesi			
Integrated DC Switch	Optional			



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GENERAL DATA				
Dimensions (mm)	310W*563H*219D			
Weight (kg)	18.9		19.8	
Topology	Transformerless			
Self Consumption (night)	< 1W			
Operating Ambient Temperature Range	-25 ~ 60°C			
Relative Humidity	0 ~ 100%			
IP Protection	IP65			
Noise Emission (typical)	< 60 dBA			
Cooling Concept	Intelligent redundant fan-cooling			
Maximum Operation Altitude	4000 m			
STANDARDS				
Grid Connection Standard	EN50549, AS4777, VDE0126-1-1, IEC61727, G98, G99			
Safety / EMC Standard	IEC62109-1/-2, AS3100, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4			
FEATURES				
DC Connection	MC4			
AC Connection	Terminal connectors			
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.

