


Beta 3P(5-10)K-4G	Main Features
	<ul style="list-style-type: none"> <li>• 4G Three phase inverter.</li> <li>• Input voltage range of 160 V - 500 V.</li> <li>• Double MPPT, easy installation.</li> <li>• THDi &lt; 1.5%, low harmonic distortion.</li> <li>• Over 98.0% Maximum efficiency.</li> <li>• RS485 Interface, WiFi / LAN / GPRS (optional).</li> <li>• Multiple protections levels.</li> <li>• WiFi monitoring available - Iphone and Android apps available.</li> <li>• 5 year standard warranty, optional 20-year extension.</li> </ul>

MODEL	Beta 3P5K-4G	Beta 3P6K-4G	Beta 3P8K-4G	Beta 3P9K-4G	Beta 3P10K-4G
<b>INPUT DC</b>					
Maximum DC Input Power (kW)	6	7.2	9.6	10.8	12
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)	11A+11A				
Maximum Short Circuit Current for each MPPT (A)	17.2+17.2				
MPPT Number / Input Strings Number	2/A:1; B:1				
<b>OUTPUT AC</b>					
Nominal Output Power (kW)	5	6	8	9	10
Maximum Apparent Output Power (kVA)	5.5	6.6	8.8	9.9	11
Nominal Grid Voltage (V)	400				
Operation Phases	Three				
Nominal Grid Output Current (A)	7.2	8.7	11.5	13.0	14.4
Output Current (A)	7.9	9.5	12.7	14.2	15.9
Power Factor (nominal output power)	0.8 Leading... 0.8 Lagging				
THDi (nominal output power)	< 1.5%				
<b>EFFICIENCY</b>					
Maximum Efficiency	98.3%		98.7%		
EU Efficiency	97.8%		98.1%		
MPPT Efficiency	> 99.5%				
<b>PROTECTION</b>					
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				



MODEL	Beta 3P5K-4G	Beta 3P6K-4G	Beta 3P8K-4G	Beta 3P9K-4G	Beta 3P10K-4G
<b>GENERAL DATA</b>					
Dimensions (mm)	310W*563H*219D				
Weight (kg)	17.3		18		
Topology	Transformerless				
Self Consumption (night)	< 1W				
Operating Ambient Temperature Range	-25 ~ 60°C				
Relative Humidity	0 ~ 100%				
IP Protection	IP65				
Noise Emission (typical)	< 30 dBA				
Cooling Concept	Natural convention				
Maximum Operation Altitude	4000 m				
<b>STANDARDS</b>					
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				
<b>FEATURES</b>					
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.

