


Beta 1P(2.5-6)K-4G	Main Features
	<ul style="list-style-type: none"> • 4G Single phase inverter. • Super high frequency switching technology. • Double MPPT, easy installation. • Intergrated Export Power Manager (EPM). • Over 98.1% Maximum efficiency. • RS485 Interface, WiFi / LAN / GPRS (optional). • WiFi monitoring available - Iphone and Android apps available.

MODEL	Beta 1P2.5K-4G	Beta 1P3K-4G	Beta 1P3.6K-4G	Beta 1P4K-4G	Beta 1P4.6K-4G	Beta 1P5K-4G	Beta 1P6K-4G
INPUT DC							
Maximum DC Input Power (kW)	3	3.5	4.2	4.6	5.3	5.8	6.6
DC Input Voltage (V)	550	600					
Nominal DC Voltage (V)	250	330					
Output Voltage (V)	60	120					
MPPT Voltage Range (V)	50 - 450	90 - 520					
Full Load MPPT Voltage Range (V)	114 - 400	141 - 520	114 - 520	114 - 520	114 - 520	114 - 520	114 - 520
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						
OUTPUT AC							
Nominal Output Power (kW)	2.5	3	3.6	4	4.6	5	6
Maximum Apparent Output Power (kVA)	2.8	3.3	4	4.4	5	5	6
Nominal Grid Voltage (V)	220 / 230						
Operation Phases	Single						
Nominal Grid Output Current (A)	11.4 / 10.9	13.6 / 13	16 / 15.7	18.2 / 17.4	20.9 / 20	22.7 / 21.7	27.3
Output Current (A)	13.3	15.7	16	21	23.8	25	27.3
Power Factor (nominal output power)	0.8 Leading... 0.8 Lagging						
THDi (nominal output power)	< 3%						
EFFICIENCY							
Maximum Efficiency	97.8%			98.1%			
EU Efficiency	97.1%			97.3%			
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*543H*160D						
Weight (kg)	11.5						
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						
Projected Useful Life	> 20 years						
STANDARDS							
Grid Connection Standard	EN50549, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE4105-2018, G99						
Safety / EMC Standard	IEC62109-1/-2, NBT32004-2018, EN61000-6-2, EN61000-6-3						
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.

