


Beta 40-70K	Main Features
	<ul style="list-style-type: none"> • Three-phase output. • Over 99% Maximum efficiency. • High precision and speed MPPT algorithm. • Four MPPT, the nominal current of the MPPT is 28.5 A, compatible with high power module. • Compact and lightweight design for easy two-person installation. • IP65, visually pleasing to the domestic environment. • THDi < 3%, low harmonic distortion. • Anti-resonance, a single transformer can connect 6M+ in parallel. • Excellent monitoring solution for commercial premises. • Intelligent redundancy fan.

MODEL	Beta 40K	Beta 50K	Beta 60K-4G	Beta 50K-HV	Beta 60K-HV	Beta 70K-HV-4G
INPUT DC						
Maximum DC Input Power (kW)	48	60	72	60	72	84
DC Input Voltage (V)	1100					
Nominal DC Voltage (V)	600			720		
Output Voltage (V)	200					
MPPT Voltage Range (V)	200 - 1000					
Maximum Input Current (A / B / C / D)	22A+22A+22A+22A	28.5A+28.5A+28.5A+28.5A		22A+22A+22A+22A	28.5A+28.5A+28.5A+28.5A	
Maximum Short Circuit Current for each MPPT (A)	34.3+34.3+34.3+34.3	44.5+44.5+44.5+44.5		34.3+34.3+34.3+34.3	44.5+44.5+44.5+44.5	
MPPT Number / Input Strings Number	4/A:2; B:2; C:2; D:2	4/A:3; B:3; C:3; D:3		4/A:2; B:2; C:2; D:2	4/A:3; B:3; C:3; D:3	
OUTPUT AC						
Nominal Output Power (kW)	40	50	60	50	60	70
Maximum Apparent Output Power (kVA)	44	55	66	55	66	77
Nominal Grid Voltage (V)	400			480		
Nominal Grid Frequency (Hz)	50 / 60					
Operation Phases	Three					
Nominal Grid Output Current (A)	58	72.2	86.6	60.2	72.2	84.2
Output Current (A)	66.9	83.3	100	66.2	80	92.6
Power Factor (nominal output power)	0.8 Leading... 0.8 Lagging					
THDi (nominal output power)	< 3%					
EFFICIENCY						
Maximum Efficiency	98.8%		99.0%			
EU Efficiency	98.4%		98.5%	98.72%		98.5%
MPPT Efficiency	> 99.9%					
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					



MODEL	Beta 40K	Beta 50K	Beta 60K-4G	Beta 50K-HV	Beta 60K-HV	Beta 70K-HV-4G
GENERAL DATA						
Dimensions (mm)	630W*700H*357D					
Weight (kg)	61	63		61		63
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	< 60 dBA		< 30 dBA		< 60 dBA
Cooling Concept	Natural convection	Intelligent redundant fan-cooling		Natural convection		Intelligent redundant fan-cooling
Maximum Operation Altitude	4000 m					
STANDARDS						
Grid Connection Standard	EN50438, G99, AS4777, VDE0126-1-1, IEC61727					
Safety / EMC Standard	IEC62109-1/-2, AS3100, EN61000-6-2, EN61000-6-4, NB/T32004					
FEATURES						
DC Connection	MC4					
AC Connection	OT Terminal connectors					
Display	LCD, 2 × 20 Z.					
Communication Connections	4-pin RS485 connector, 2 RJ45 connectors, 2 groups of terminal blocks					
Monitoring	WiFi or GPRS					
Warranty	5 / 10 / 15 / 20 years					

Product specifications are subject to change without further notice.

