



ON-Grid Inverter-3phase

ARM80/90/100/110/125K3P

Max. 1.5 Max. 1.5 Times PV Oversize Capacity



Wi-Fi Standard
Ethernet/GPRS Optional



Multiple Intelligent Protection



Quick & Easy Config. via Wi-Fi

Technical Specification

	ARM80K3P	ARM90K3	ARM100K3P	ARM110K3P	ARM125K3P
PV INPUT					
Max. DC Input Power [W]	120000	135000	150000	165000	187500
Max. DC Input Voltage [V]			1100		
Max. DC Input Current [A]	30*8	30*9		30*10	
Max. Short Circuit Current [A]	37.5*8	37.5*9		37.5*10	
MPPT Voltage Range [V]			200-1000		
Rated DC Input Voltage [V]			600		
Number of MPP trackers	8	9		10	
Strings Per MPP Tracker			2		
AC OUTPUT					
Rated Output Power [W]	80000	90000	100000	110000	125000
Max. Output Power [V]	88000	99000	110000	121000	137500
Max. Output Current [A]	127	142.9	158.8	174.6	199.3
Rated Grid Voltage [V]			400		
Grid Voltage Range [V]			310~480 (adjustable)		
Rated Grid Frequency [Hz]			50/60		
Grid Frequency Range [Hz]			45-55/55-65		
THDi			<2% (Under the rated power)		
Power Factor			>0.99 (Under the rated power) /Adjustable range: 0.8 leading~0.8 lagging		
DC Current Injection			<0.5% (Under the rated power)		
EFFICIENCY					
Max. Efficiency	98.6%	98.6%	98.7%	98.7%	98.9%
Euro. Efficiency			98.1%		98.2%
PROTECTION					
DC Reverse-Polarity Protection			Yes		
Short Circuit Protection			Yes		
Output Over Current Protection			Yes		
Output Over Voltage Protection			Yes		
Insulation Resistance Monitoring			Yes		
Residual Current Detection			Yes		
Surge Protection			Yes		
Grid Monitoring			Yes		
Islanding Protection			Yes		
Temperature Protection			Yes		
Integrated DC Switch			Yes		
OTHERS					
Operating Temperature Range [°C]			-25~+60		
Humidity Range			0-100% non-condensing		
Operating Altitude [m]			< 4000		
Ingress Protection			IP66		
Power Consumption At Night [W]			< 1		
Display			LED/LCD(optional)		
Communication Interface			Wifi/RS485/GPRS(optional)		
Cooling Method			Intelligent forced air cooling		
Dimensions (WxHxD) [mm]			1050*620*333		
Weight [Kg]			89		
Loading Data [pc]			384\40HQ 140\20GP		
Warranty			5 years		
STANDARD					

EN/IEC 62109-1/2, EN/IEC 61000, EN50549,IEC61727/62116/61683