



ON-Grid Inverter-3phase

ARM100/125/136K3P-HV

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

	ARM100K3P-HV	ARM125K3P-HV	ARM136K3P-HV
PV INPUT			
Max. DC Input Power [W]	150000	187500	204000
Max. DC Input Voltage [V]		1100	
Max. DC Input Current [A]		30*10	
Max. Short Circuit Current [A]		37.5*10	
MPPT Voltage Range [V]		200-1000	
Rated DC Input Voltage [V]		720	
Number of MPP trackers		10	
Strings Per MPP Tracker		2	
AC OUTPUT			
Rated Output Power [W]	100000	125000	136000
Max. Output Power [V]	110000	137500	149500
Max. Output Current [A]	127	158.8	172.6
Rated Grid Voltage [V]		500	
Grid Voltage Range [V]		422-550 (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		98.9%	
Euro. Efficiency	98.3%	98.4%	98.4%
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