



ON-Grid Inverter-3phase

ARM196/225K3P-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

ARM196K3P-HV

ARM225K3P-HV

PV INPUT			
Max. DC Input Power	[W]	294000	337500
Max. DC Input Voltage	[V]		1500
Max. DC Input Current	[A]	40*8	40*12
MPPT Voltage Range	[V]		500-1500
Recommended MPP operating voltage	[V]		1080
Number of MPP trackers		8	12
Strings Per MPP Tracker			2
AC OUTPUT			
Rated Output Power	[W]	196000	225000
Max. Output Power	[V]	216000	247500
Max. Output Current	[A]	155.9	178.7
Rated Grid Voltage	[V]		800
Grid Voltage Range	[V]		640-920 (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		99.01%	99.02%
Euro. Efficiency		98.50%	98.51%
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]		-30~+60
Humidity Range			0-100% non-condensing
Max. Working Altitude	[m]		5000m (>4000 derating)
Ingress Protection			IP66
Power Consumption At Night	[W]		≤ 2
Display			LED/LCD/(optional)
Communication Interface			Wifi/RS485/GPRS(optional)
Cooling Method			Intelligent forced air cooling
Dimensions (WxHxD)	[mm]		1008*700*351
Weight	[Kg]	86	96
Loading Data	[pc]		384\40HQ 140\20GP
Warranty			5 years
STANDARD			
EN/IEC 62109-1/2, EN/IEC 61000, EN50549,IEC61727/62116/61683			