



ON-Grid Inverter-3phase

ARM30/33/36/40K3P

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

	ARM30K3P	ARM33K3P	ARM36K3P	ARM40K3P
PV INPUT				
Max. DC Input Power [W]	45000	49500	54000	60000
Max. DC Input Voltage [V]			1100	
Max. DC Input Current [A]		36/36/20	30/30/30	36/36/20/20
Max. Short Circuit Current [A]		45/45/25	37.5/37.5/37.5	45/45/25/25
MPPT Voltage Range [V]			200-1000	
Rated DC Input Voltage [V]			650	
Number of MPP trackers		3		4
Strings Per MPP Tracker			2	
AC OUTPUT				
Rated Output Power [W]	30000	33000	36000	40000
Max. Output Power [V]	33000	36300	39600	44000
Max. Output Current [A]	48	53	56	65
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		98.7%		98.8%
Euro. Efficiency	98.1%	98.2%	98.2%	98.3%
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 indicator /LCD displayer (optional)	
Communication Interface			Wifi/RS485/GPRS(optional)	
Cooling Method			Intelligent forced air cooling	
Dimensions (WxHxD) [mm]			610*564*218	
Weight [Kg]			37	
Loading Data [pc]			384\40HQ 140\20GP	
Warranty			5 years	
STANDARD				

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