

Three Phase String Inverter



APEX-P3-15/17K



2 MPP trackers, Max. efficiency up to 98.5%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)

Technical Data

Model	APEX-P3-15K		APEX-P3-17K	
Input Side				
Max. DC Input Power (kW)	19.5		22.1	
Max. DC Input Voltage (V)			1000	
Start-up DC Input Voltage (V)			250	
MPPT Operating Range (V)			200~850	
Max. DC Input Current (A)			13+26	
Max. Short Circuit Current (A)			19.5+39	
No.of MPP Trackers			2	
No.of Strings per MPP Tracker			1+2	
Output Side				
Rated Output Power (kW)	15		17	
Max. Active Power (kW)	16.5		18.7	
Nominal Output Voltage / Range (V)	3L/N/PE 220/380V, 230/400V			
Rated Grid Frequency (Hz)	50 / 60 (Optional)			
Operating Phase	Three phase			
Rated AC Grid Output Current (A)	22.7/21.7		25.8/24.6	
Max. AC Output Current (A)	25/23.9		28.3/27.1	
Output Power Factor	0.8 leading to 0.8 lagging			
Grid Current THD	<3%			
DC Injection Current (mA)	<0.5%			
Grid Frequency Range	47~52 or 57~62 (Optional)			
Efficiency				
Max. Efficiency	98.5%			
Euro Efficiency	97.5%			
MPPT Efficiency	>99%			
Protection				
DC Reverse-Polarity Protection	Yes			
AC Short Circuit Protection	Yes			
AC Output Overcurrent Protection	Yes			
Output Overvoltage Protection	Yes			
Insulation Resistance Protection	Yes			
Ground Fault Monitoring	Yes			
Anti-islanding Protection	Yes			
Temperature Protection	Yes			
Integrated DC Switch	Yes			
Remote software upload	Yes			
Remote change of operating parameters	Yes			
Surge protection	DC Type II / AC Type II			
General Data				
Size (mm)	333W×472H×202D			
Weight (kg)	15			
Topology	Transformerless			
Internal Consumption	<1W (Night)			
Running Temperature	-25~65℃, >45℃ derating			
Ingress Protection	IP65			
Noise Emission (Typical)	≤40 dB			
Cooling Concept	Smart cooling			
Max. Operating Altitude Without Derating	2000m			
Warranty	5 years			
Grid Connection Standard	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150			
Operating Surroundings Humidity	0-100%			
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2			
Features				
DC Connection	MC-4 mateable			
AC Connection	IP65 rated plug			
Display	LCD1602			
Interface	RS485/RS232/Wifi/LAN			