

# Three Phase String Inverter



## APEX-P3-18/20/25K



2 MPP trackers, Max. efficiency up to 98.6%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)

## Technical Data

Model	APEX-P3-18K	APEX-P3-20K	APEX-P3-25K	APEX-P3-18K	APEX-P3-20K	APEX-P3-25K
<b>Input Side</b>						
Max. DC Input Power (kW)	23.4	26	32.5	23.4	26	32.5
Max. DC Input Voltage (V)	1000					
Start-up DC Input Voltage (V)	250					
MPPT Operating Range (V)	200~850					
Max. DC Input Current (A)	32+32			26+26		
Max. Short Circuit Current (A)	48+48			39+39		
No. of MPP Trackers	2					
No. of Strings per MPP Tracker	3			2		
<b>Output Side</b>						
Rated Output Power (kW)	18	20	25	18	20	25
Max. Active Power (kW)	19.8	22	27.5	19.8	22	27.5
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)	27.3/26.1	30.3/29	37.9/36.2	27.3/26.1	30.3/29	37.9/36.2
Max. AC Output Current (A)	30/28.7	33.3/31.9	41.7/39.8	30/28.7	33.3/31.9	41.7/39.8
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)					
<b>Efficiency</b>						
Max. Efficiency	98.6%					
Euro Efficiency	97.8%					
MPPT Efficiency	>99%					
<b>Protection</b>						
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					
<b>General Data</b>						
Size (mm)	330W×508H×206D			362W×527H×220D		
Weight (kg)	20.8			20		
Topology	Transformerless					
Internal Consumption	<1W (Night)					
Running Temperature	-25~65°C, >45°C 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					
<b>Features</b>						
DC Connection	MC-4 mateable					
AC Connection	IP65 rated plug					
Display	LCD1602					
Interface	RS485/RS232/Wifi/LAN					