



P10K-12K-15K-P1LA Three Phase Low Voltage On-Grid Solar Inverter



Main Features

- Big LCD display.
- Compact and easy to install.
- Power export limit.
- Wi-Fi / GPRS / LAN Communication (optional).

Technical Parameters / Model	P10K-P1LA	P12K-P1LA	P15K-P1LA
Input (DC)			
Max DC power (W)	16900W	20800W	22100W
Max DC voltage (Vdc)		600Vd.c.	
Min working voltage (Vdc)		100Vd.c.	
MPPT voltage range (Vdc)		100..550Vd.c.	
Max input current / per string (A)	28A/28A	28A/36A	28A/36A
Number of MPP trackers		2	
Strings per MPP tracker		2/2	
Output (AC)			
AC nominal power (W)	11000	14000	15000
Max AC apparent power (VA)	13000	16000	17000
Max output current (A)	32A	36A	43A
Rated AC Voltage / Range [V]		150~300	
Grid frequency /range [Hz]		50/60;±5	
Adjustable Power Factor [cosφ]		0.8 leading ~ 0.8 lagging	
Output THDi (@Rated Output)		<3%	
Efficiency			
Max efficiency	98.3%	98.4%	98.5%
Euro efficiency	98.0%	98.1%	98.2%
MPPT efficiency	99.9%	99.9%	99.9%
Safety and Protection			
DC reverse-polarity protection		yes	
DC breaker		yes	
DC/AC SPD		yes	
Leakage current protection		yes	
Insulation Impedance Detection		yes	
Residual Current protection		yes	
General Parameters			
Dimension (W*H*D mm)		520*520*160mm	
Weight (kg)		20	
Operating temperature range °C		-25 ~ +60	
Degree of protection		IP65	
Cooling concept		Smart Cooling	
Topology		Transformerless	
Display		LCD	
Humidity		0-95%,no condensation	
Communication		RS485/WiFVGPRS	
Warranty		Standard 5 years; 7/10 years optional	
Certificates and Approvals		CQC, VDE-AR-N4105,VDE0126-1-1,AS4777,IEC61727,IEC62116	