

Power Conversion System

PC100/115/125KTL-AG



■ Advantages and Features



Three-level topology, conversion efficiency up to 98.5%



Supports up to 20 parallel connections, with flexible system expansion configuration



Supports 1.1 times long-term overload, 1.2 times short-term overload



IP66 protection rating, suitable for harsh environments



Modular design, supports both wall-mounted and rack-mounted installations

Specifications

Product Model	PC100KTL-AG	PC115KTL-AG	PC125KTL-AG
DC Side			
Rated Power	100kW	115kW	125kW
Operating Voltage Range	600Vdc~1000Vdc (3L+PE) / 685Vdc~1000Vdc (3L+N+PE)		
Max. DC Current	163A/186A	188A/215A	204A/234A
On-grid Side			
Rated Output Power	100kW	115kW	125kW
Max. Output Power	110kW	126.5kW	137.5kW
Rated Output Voltage/Range	400Vac (-20%~15%)		
Rated AC Grid Output Current	145A	166A	181A
Max. AC Output Current	159A	183A	199A
Rated Grid Frequency	50Hz/60Hz (±5Hz)		
Total Harmonics Current Distortion (THDi)	<3%		
Output Power Factor	-1~+1		
Overload Capacity	110%, continuous 120%, 1 min		
Grid Connection Method	3L+N+PE / 3L+PE (Optional)		
Off-grid Side			
Rated Output Power	100kW	115kW	125kW
Rated Output Voltage	400Vac (-20%~15%)		
Overload Capacity	110%, long term; 120%, 1min		
Rated Grid Frequency/Range	50Hz/60Hz (±5Hz)		
Efficiency			
Max. Efficiency	98.5%		
Protection			
Anti-islanding Protection	Support		
Surge Protection	DC Type II / AC Type II		
Grid/Ground Fault Monitoring	Support		
Insulation Resistance Protection	Support		
Temperature Protection	Support		
General Data			
Topology	Transformerless		
Warranty	5 Years		
Cooling Concept	Smart cooling		
Installation Method	Rack-mounted/Wall-mounted		
Ingress Protection	IP66		
Running Temperature	-35°C~60°C (Derating above 50°C)		
Operating Surroundings Humidity	0~100% (No condensation)		
Permissible Altitude	5000m (Derating above 3000m)		
Cabinet Size (WxHxD)	900*250*800mm		
Weight	99kg		
Display	LED		
Interface	RS485, Ethernet, CAN		
Safety EMC / Standard	EN 62477-1, EN 61000-6-2, EN 61000-6-4, GB/T 34120, GB/T 34133, EN 50581, IEC 62474, IEC 62321		

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