

PWS1-1200/1500/1725KTL-H-NA

Power Conversion System



Features



Flexible Configuration

- Modular design with up to 8 modules
- Direct interconnection with 480/600/690Vac
- Power range: 125kW-1.72MW



High Efficiency & Stability

- Maximum efficiency can reach 99%, @ DC 1000V
- Multi-string technology for better battery safety and performance.



Extensive Use

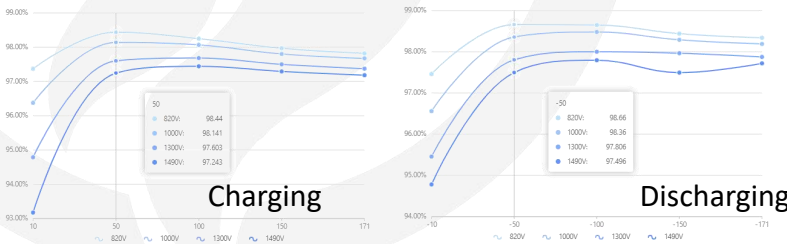
- Automatic operation strategy of peak shaving and load shifting
- Outdoor NEMA3R Cabinet



Safety & Compatibility

- Fast response time less than 10ms
- Grid-support function built-in
- Global grid certified & listed

Specification

		PWS1-1200KTL-H-NA	PWS1-1500KTL-H-NA	PWS1-1725KTL-H-NA
AC parameters				
Nominal AC power		1200kVA	1500kVA	1725kVA
AC connection		Three-phase three-wire		
Overload Capability		1320kVA	1650kVA	1897kVA
AC voltage		480V(-15%~10%)V	600(-15%~10%)V	690(-15%~10%)V
AC frequency		50/60 (-5~5) Hz		
THDi		≤3%		
AC PF		0.99/-1~1		
DC parameters				
Max DC power		1320kW	1650kW	1897kW
DC voltage range		700~1500V	900~1500V	1000~1500V
Full power voltage range		770~1500V	940~1500V	1070~1500V
Number of DC branches		1/8	1/8	1/8
Maximum DC current every branch		1897A/237A	1897A/237A	1897A/237A
Voltage regulation accuracy		≤±1%		
Current regulation accuracy		≤±1%		
System parameters				
Efficiency curve				
Peak efficiency		99%		
Size (W*H*D)		2200*2160*1300 mm		
Weight		Cabinet 1200kg + Module 100kg*n (n=1,2,...,8)		
Noise		< 75dB		
Enclosure		IP55		
Operating temp.		-20℃ to 60℃ (De-rating over 45℃)		
Cooling		Air cooling		
Humidity		0~95% (No condensing)		
Max elevation		3000m/10000feet (> 3000m/10000feet derating)		
Connection parameters				
Communication	RS 485, Ethernet, CAN			
Protocol	Modbus TCP/RTU,IEC104,IEC61850			