

# 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
<b>AC parameters</b>			
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		
<b>DC parameters</b>			
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%		
<b>System parameters</b>			
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°C to 60°C (De-rating over 45°C)		
Cooling	Air cooling		
Humidity	0~95% (No condensing)		
Max elevation	3000m/10000feet (> 3000m/10000feet derating)		
<b>Connection parameters</b>			
Communication	RS 485, Ethernet, CAN		
Protocol	Modbus TCP/RTU, IEC104, IEC61850		
BMS	ppport		