

NRGX Series

1250 ~ 1725kVA

1500Vdc Energy Storage Converter



Features:

High efficiency

- Advanced ANPC three-level topology, max. converter efficiency 99.03%
- Wide DC voltage range
- 1.1 times long-term overload, 45°C full load operation

Power grid adaptability

- Adapt to extreme environment, such as high temperature, salt, and extreme cold etc.
- IP55 design, optional IP65 and C5 design
- Unified external communication interface, support IEC61850

Lean intelligence

- Smart online upgrade, easy maintenance
- Support multi-machine parallel connection, VSG, PQ, VF, black-start and other functions
- H/LVRT function, high adaptation ability to the grid
- Various applications such as peak shaving, frequency modulation, auxiliary grid connection for new energy system, etc.



Items	NRGX1250K	NRGX1500K	NRGX1725K
DC input			
Max. DC voltage	1500Vdc		
DC voltage range	800-1500Vdc	900-1500Vdc	1000-1500Vdc
Max. DC current	1753A	1870A	1936A
Auto-buffering function	Yes		
Grid-tied AC output			
Rated AC output power	1250kW	1500kW	1725kW
Max. AC output power	1375kVA	1650kVA	1897.5kVA
Rated grid-tied voltage	550Vac	600Vac	690Vac
Grid voltage range	-15%~10% (settable)		
Rated grid frequency	50Hz/60Hz		
Max. output current	1443A	1588A	1588A
Power factor	>0.99 (at rated power)		
Adjustable power factor	1 (leading)~1 (lagging)		
THDi	<3% (at rated power)		
Off-grid AC output			
Rated AC output voltage	550Vac	600Vac	690Vac
Output voltage precision	1%		
Max. output current	1443A	1588A	1588A
THDu	<3% (liner load)		
Rated output frequency	50Hz/60Hz		
Overloading capability	110% overload		
PCS efficiency			
Max. efficiency	99%		
General data			
Isolation mode	None		
IP rating	IP55 (IP65 optional)		
Operation temperature	-35°C~60°C (>45°C derating)		
Relative humidity	0~100% (no condensation)		
Cooling type	Intelligent forced air cooling		
Dimensions (W×H×D)	860×2270×1725mm		
Weight	1500kg		
Altitude	4000m (>3000m customized)		
Display	Touch screen		
Communication protocol	Modbus-RTU, Modbus-TCP, IEC61850, IEC104		
Communication interface	RS485, Ethernet		
Standard	IEC62477-1, EN61000		

Specifications are subject to change without prior notice.

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