

# Central-PF Transformer Isolation

## ASP-100/250K



### Features



#### Flexible design

Modular design, open the front door to maintain, easy installation and maintenance  
Multi-language dynamic graphics LCD, can maintain scene in time when in fault



#### Efficient conversion

Power frequency transformer, max. efficiency is 97.3%  
High efficiency MPPT control strategy, enhance the energy output  
Nightly intelligent hibernation technology, reduce self-relative loss  
Wind channel design, low power dissipation, high heat dissipation



#### Grid friendly

LVRT/ZVRT function to cope with various grid conditions  
Nightly SVG function, respond to grid dispatching instruction all time  
AGC/AVC function, realize active power adjustable range from 0~100%  
Adjustable reactive power factor from 0.9 leading to 0.9 lagging

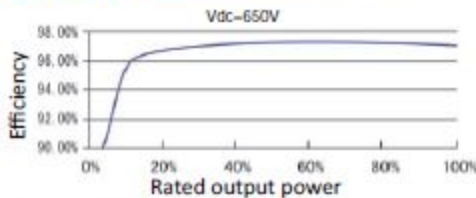


#### More advantages

Perfect protection and failure warning system, safe and reliable  
Dual power supply method, improve system reliability  
High efficient PWM modulation arithmetic, reduce switching loss



### Efficiency Curve



### Technical Data

Input	100K	250K
Max. DC Input power	110KW	275KW
Max. DC input voltage	1000V	
Max. DC input current	244A	550A
MPPT voltage range	450-820V	500-850V
Recommended MPP operating voltage	650V	
No. of MPPT	1	

#### Output

Rated output power	100KW	250KW
Max. output power	110KVA	275KVA
Max. output current	166A	416A
Rated grid voltage	400V	
Grid voltage range	310-450Vac	
Rated grid frequency	50Hz/60Hz	
Grid frequency range	47-51.5Hz/57-61.5Hz	
THD	< 2% (Under the rated power)	
Power factor	>0.99 (Under the rated power) 0.9 leading ~ 0.9 lagging	
DC current injection	< 0.5% (Under the rated power)	

System data	100K	250K
Max. efficiency	97.3%(Power frequency transformer)	
Euro. efficiency	96.7%(Power frequency transformer)	
Humidity range	0-95% non-condensing	
Cooling type	Intelligent air cooling	
Temperature range	-25~+55℃	
Power consumption at night	< 100W	
Max. working altitude	6000m(Operation with derating above 3000m)	
Display	Touch screen	
Communication interface	RS485/Ethernet	

#### Mechanical data

Dimensions (WxHxD)	1000x1960x900mm	2000x2160x900mm
Weight	850Kg	1700Kg
Protection class	IP20	

#### Standard

Grid-connected standard	NB/T32004-2013; GB/T19964-2012
Safety standard	NB/T32004-2013; IEC 62109-1/2
Electromagnetic compatibility	IEC 61000-6-2/4