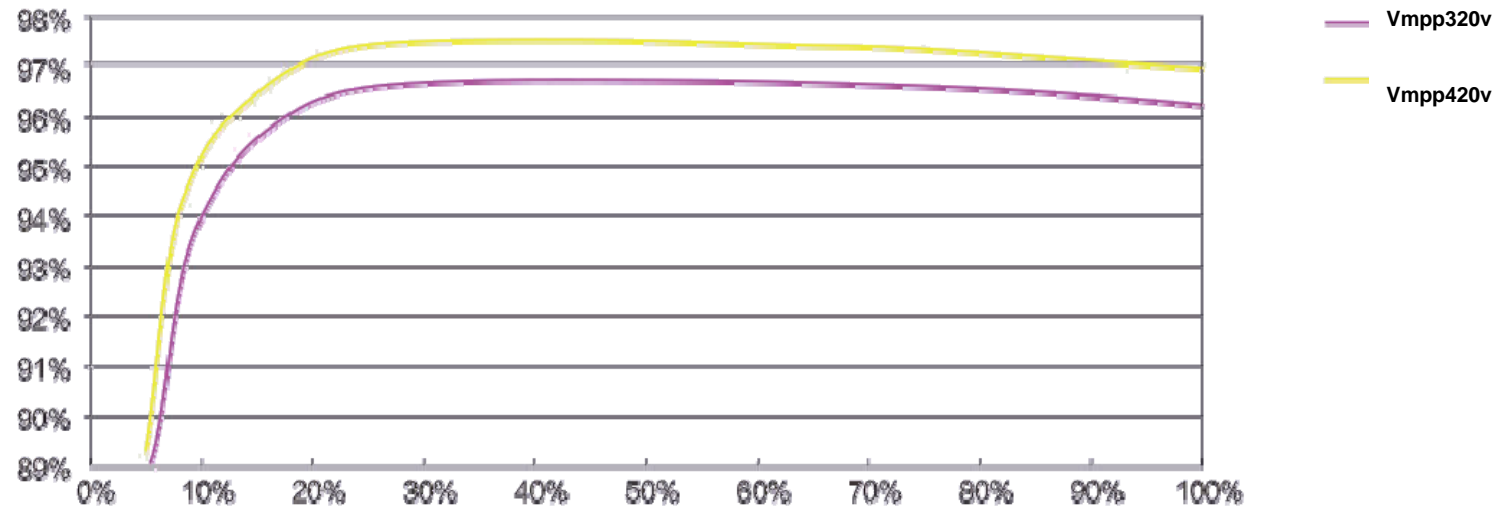




## NAC1-3K-SS

### Features :

- DC voltage 500V
- High efficiency topology, maximum efficiency > 97.2%
- Small volume, light weight
- IP65
- Wall mounting



Model	NAC1K-SS	NAC2K-SS	NAC3K-SS
Rated AC Power	1000W	2000W	3000W
Max. AC Power	1000VA	2200VA	3000VA
<b>DC Input Data</b>			
Max.DC Power	1100W	2250W	3200W
Max. DC Voltage	500V		
MPPT Voltage Range	90~500V		
Min. DC Voltage	70V		
Start Voltage	100V	150V	150V
No. of MPPT Tracker	1		
Max. Input Current	10A	13A	13A
No. of Input Strings per Tracker	1		
Type of DC Connector	MC4		
<b>AC Output Data</b>			
Rated AC Current	4.6A	9.1A	13.7A
Max. AC Current	5.0A	11.0A	14.0A
Nominal AC Voltage	220V;L+N+PE		
Grid frequency	50Hz/60Hz		
AC Voltage Range	160~290V		
Grid Frequency Range	45~55Hz/55-65Hz		
Power Factor	0.8leading ~0.8lagging ( full load)		
Total Harmonic Distortion [THDi	<2%		
<b>Efficiency</b>			
Max.Efficiency	97.2%	97.2%	97.2%
Euro Efficiency	96.4%	96.6%	96.6%
MPPT Accuracy	>99.5%	>99.5%	>99.5%

Model	NAC1K-SS	NAC2K-SS	NAC3K-SS
<b>Protection</b>			
DC Switch	Optional		
DC Insulation Monitoring	Integrated		
Input Reverse Polarity Protection	Integrated		
Output Over Current Protection	Integrated		
Anti-island Protection	Integrated		
GFCI Monitoring	Integrated		
OverHeat Protection	Integrated		
<b>General Data</b>			
Size(Width*Height*Depth)	283×343×119mm		
Weight	8.5kg	9kg	11.5kg
Mounting	Wall Hangings		
User Interface	LCD		
Communication	RS485/WiFi/GPRS		
Ambient Temperature Range	-25°C~60°C ( >45°C Derating Operation )		
Relative Humidity	0~100% ( No condensation )		
Operating Altitude	4000m ( >2000m derating operation )		
Standby Self Consumption	<0.2W		
Topology	Transformerless		
Cooling	Natural Convection		
Protection Grades	IP65		
Noise	<35dB		
Warranty	5 year (standard) , 10/15/20/25 year(optional)		
Certifications & Standards	IEC 62109-1,IEC 62109-2,EN 61000-2,EN61000-3,AS/NZS 3100 VDA-AR-N-4105,VDE 0126-1-1+AC,CE,GB3/2,UTE C15-712-1,MEA,PEA,AS4777,NB/T 32004-2013		