

# N1PL-1M3/3.6/5/6K

## Single-phase Hybrid Inverter (LV)

NAHUI



### High performance

14A high MPPT input current



### Super yields

Supports up to 1.5 high DC: AC ration to connect more PV capacity



### Cost effective

Multiple charging and discharging time set



### UPS

Back-up switch time < 10ms

Technical Specification	N1PL-1M3K	N1PL-1M3.6K	N1PL-1M5K	N1PL-1M6K
<b>Input (PV)</b>				
Max. power(kW)	4.6	4.6	7	7
Max. DC voltage(V)	550			
MPPT voltage range(V)	125~500			
Max.input current of single MPPT(A)	14/14			
Max. short current	17.5/17.5			
MPPT tracker/strings	2/1			
<b>AC output</b>				
Rated output power(kVA)	3	3.68	5	6
Max. output current(A)	13	16	21.7	26
Grid voltage/range(V)	230/176~270			
Frequency (Hz)	50 /60			
PF	0.99lagging-0.99leading			
THDi	<2%			
AC output topology	L+N+PE			
<b>Battery</b>				
Battery voltage range(V)	40~58			
Max. charging voltage(V)	58			
Max. charge/discharge current(A)	95/62.5	95/76.6	95/104.2	95/110
Battery type	lithium /Lead-acid			
Communication interface	CAN/RS485			
<b>EPS output</b>				
Rated power (kVA)	3	3.68	5	6
Rated output voltage(V)	230			
Rated output current(A)	13	16	21.7	26
Rated frequency (Hz)	50 /60			
Automatic switching time (ms)	<20			
THDu	<2%			
Overload capacity	110%, 30S/120%, 10S/150%, 0.02S			
<b>General data</b>				
Battery charge/discharge efficiency	95.0%			
DC Max. efficiency	97.6%			
Europe efficiency	97.0%			
MPPT efficiency	99.9%			
Ingress protection	IP65			
Noise emission (dB)	<40			
Operation temperature ( )	- 25~ 60			
Cooling	Natural			
Relative humidity	0 ~95% (non-condensing)			
Altitude	2,000m(>2,000 Derating)			
Dimensions W*D*H (mm)	550*200*520			
Weight (kg)	25.00			
Isolation transformer	No			
Self-consumption(W)	<3			
<b>Display and communication</b>				
Display	LCD			
Interface:RS485/Wifi/4G/ CAN/DRM	Yes/ Opt/ Opt/ Yes/ Yes			
Safety standard	IEC/EN62109-1/-2, IEC/EN62477-1			
EMC	IEC/EN 61000-6-1, IEC/EN 61000-6-3			
On-grid	South Africa NRS097-2-1:2017, UK G98,G99,EN50549-1, Italy CEI:0-21, Germany VDE4105,IEC61727/62116/61683,Sweden EIFS 2018:2			