

# EHE-N2K5 EHE-N2K5-AU EHE-N2K5-UK

PV Grid-connected Inverter

## Product Features

- Highly efficient and stable components from internationally recognised brands
- Efficient thermal system design reduces risk of overheating, increasing lifespan
- Advanced MPPT (Maximum Power Point Tracking) algorithms – MPPT efficiency >99.9%
- High performance index with wide power range
- Anti-islanding technology
- Advanced, highly reliable system protection
- Built-in isolated transformer, suitable for varied PV applications
- LCD display with wide range of features and language options
- Easy to install, operate and maintain
- Passed multiple stringent performance tests
- Suitable for indoor and outdoor installations

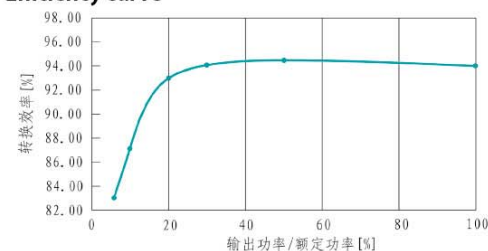
## Technical Parameters

PV side	Max. PV power		2.75kWp	
	Max. permitted DC Voltage		450V	
	Input short-circuit current	16.9	16.9	15.0
	Max. permitted DC current	13.5A	13.5A	12A
	String number	1	1	2
	MPPT range	200V-400V	200V-400V	140V-400V
	MPPT efficiency	99.90%		
Grid side	Rated output power		2.5kW	
	Max. output current		10.9A	
	Power factor		≥0.99	
	Max. efficiency		94.0%	
	European efficiency		93.5%	
	Permitted grid voltage range	180~260VAC	200~270VAC	207~264VAC
	Permitted grid frequency range	47.5~51.5Hz	45~55Hz	47~50.5Hz
	THD of grid current	<3%		
	Standby power consumption	10W		
	Nighttime power consumption	0W		
	Communication interface	RS485/GPRS (optional) /Ethernet (optional)		
	Man-machine interface	LCD		
Environmental conditions and safety	Protection level		IP65	
	Cooling		natural cooling	
	Operating temperature range		-25~+60℃	
	Relative humidity range		0-98% (non condensing)	
	Noise emissions		<45dB @ 1m	
	Isolated-method		low frequency transformer	
	Meet the standards	EN 50178; DIN EN 62109-1; prIEC 62109-2; VDE 0126-1-1;EN61000-6-1:2007; EN61000-6-3 :2007; CGC/GF 001:2009	IEC 62103; EN50178; IEC/EN 62109-1; IEC/EN62109-2; IEC/EN61000-6-1:2007; IEC/EN61000-6-3:2007; AS4777.2: 2005; AS4777.3: 2005;	IEC 62103; EN50178; IEC/EN 62109-1; IEC/EN 62109-2; G83/1-1/06.08 IEC/EN61000-6-1:2007; IEC/EN61000-6-3:2007; IEC/EN61000-3-3 :2007;
Mechanical	Dimensions (W × H × D)		438 × 362 × 250 (mm)	
	Weight	43.8Kg	43.8Kg	40Kg



CE AS4777 G83 ROCOF

## Efficiency curve



## Electrical drawing

