

EHE-N4K6TL

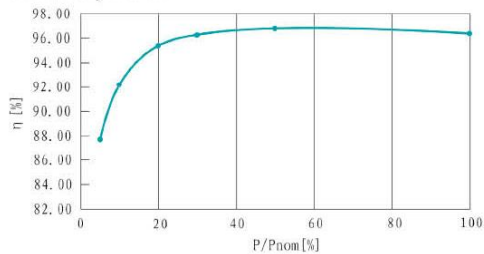
PV Grid-connected Inverter



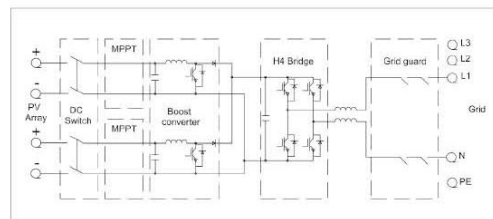
• QUALITÄT
• GEPRÜFT
• TÜV
• APPROBIERT

CE AS4777

Efficiency curve



Electrical drawing



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

Category	Parameter	Value
PV side	Max.PV power	5060W
	Max.permitted DC Voltage	520V
	Input short-circuit current	32.5A
	Max.permitted DC current	2*13A
	MPPT points	2
	String number	2
	MPPT range	125 ~ 450 Vdc
	PV Start Voltage	150
	MPPT voltage range	99.9%
	Max Inverter feedback Current to the Array	0A
Grid side	Power	4.6kW
	Nominal output current (at 230 VAC)	20A
	Max. output current	23A
	Operating Grid Frequency	47.5 Hz ~ 51.5Hz
	Operating Grid Voltage	230VAC
	Current THD(at nominal output power)	< 3%
	Power Factor(at nominal output power)	> 0.99
	Max Efficiency	97.2%
	European Efficiency	96.2%
	Standby Power	< 7W
	Nighttime Power Consumption	0.5W
Grid monitoring	VDE0126-1-1	

Environmental conditions and safety	Isolation	Transformerless
Personal protection	Insulation monitoring , integrated all-pole sensitive leakage current monitoring unit	
Protective Class	I	
Ingress protection	IP65	
Cooling	Natural	
Ambient Temperature Rating	-25 to + 60° C (@45° C derated)	
Data logger Data communication interface	RS485 (RS232 ,buleetooth optional)	
Altitude	2000m; above 2000m need derate operating	
Noise emission	< 45dB	

Meet the standards

IEC 62103; EN 50178; IEC/EN 62109-1; IEC/EN 62109-2;
IEC/EN61000-6-1:2007; IEC/EN61000-6-3:2007; IEC/EN61000-3-3 :2007; AS/NZS 3100: 2009; AS4777.2: 2005; AS4777.3: 2005;

Mechanical

Dimensions (W × H × D)	325 × 535 × 155 (mm)
Weight	20kg