EHE-N3KTL

PV Grid-connected Inverter

Product Features

Transformerless

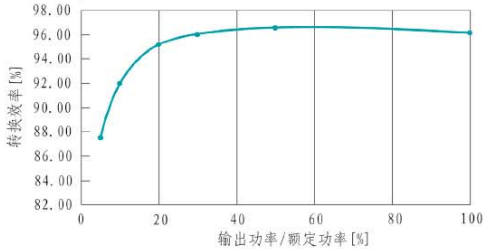
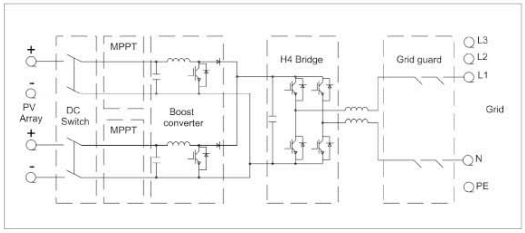
- Highly efficient and stable components from internationally recognised brands
- Efficient thermal system design reduces risk of overheating, increasing lifespan
- Advanced MPPT (Maximum Power Point Tracking) algorithms – MPPT efficiency >99.9%
- High performance index with wide power range
- Anti-islanding 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	3300Wp
	Max.permitted DC Voltage	520V
	Input short-circuit current	25A
	Max.permitted DC current	2*10A
	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	Rated output power	3000Wp
	Max.output current	15A
	THD of grid current	<3%
	Power factor	≥0.99
	Max. efficiency	96.9%
	European efficiency	96.2%
	Output voltage	180 ~ 260 Vac
	Permitted grid frequency range	47~51.5Hz
	Standby power consumption	5W
	Nighttime power consumption	0W
	Grid monitoring	According to VDE0126-1-1 guidelines
	Communication interface	RS485/Ethernet（optional）/GPRS（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)
	Mounting altitude	2000m;above 2000m need derate operating
	Noise emissions	<45dB@1m
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)	450 × 450 × 200（mm）
	Weight	18kg

CE AS4777

Efficiency curve



Electrical drawing