



## Single Phase Hybrid Inverter

Product Model  
**GN6000E**

### Product Features

#### Safe & Reliable

Passed IEC/EN 6210 9 -1/- 2, IEC/EN 61000-6-2/-4, South Africa NRS097 - 2 -1:2 017, EN 50549 test certification;

#### Friendly & Flexible

Support multi-parallel connection; Support flexible access of diesel generator; Compatible with lead-acid and lithium-ion battery;

#### Economical & Practica

Support intelligent EMS management function; Support on/off-grid automatic switching function to ensure uninterrupted power when important loads are off-grid;

### Electrical Characteristics

Model		GN6000E
Project	Specification	Parameter
PV Input	Max PV input power (KW)	7
	Max PV Open Circuit Voltage (V)	550
	MPPT Range@Operating Voltage (VDC)	125-500
	Max. Input Current(A)	14
	MPPT Tracker/Strings	2/1
AC Output	Rated Power(KW)	6
	Max. Output Current(A)	26
	Nominal Voltage/Range(V)/Frequency (Hz)	230/176-270, L+N+PE, 50 /60 Hz
	PF	0.8Lagging-0.8Leading
Battery	THDi	<3%
	Battery Voltage Range (V)	40-58
	Max. Charging Voltage (V)	58
	Max.Charge/Discharge Current (A)	95/110
	Battery Type	Lithium /Lead-acid
EPS Output	Communication Interface	CAN/RS485
	Rated Power (KW)	6
	Rated Voltage(V)/Current (A)	230/26
	Automatic Switching Time (ms)	<20
	THDu	<2%
General Data	Overload Capacity	110%, 30S /120%, 10S /150%, 0.02S
	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)	<35
	Operation Temperature	- 25 C ~ 60 C
	Cooling	Natural
	Relative Humidity	0 ~95% (Non-Condensing)
	Altitude	2,000m(>2,000 Derating)
	Dimensions W * D * H (mm)/Weight (kg)	550*200*515 / 25
	Isolation Transformer	No
Self-Consumption(W)	<3	
Display Communication	Display	LCD
	Interface:RS485/Wifi/4G/CAN/DRM	Yes/ Opt/ Opt/ Yes/ Yes
	Safety Standard	IEC/EN 6210 9 -1/- 2
	EMC	IEC/EN 61000 - 6 -2/ - 4
On-Grid	EN50549, South Africa NRS097 - 2 -1:2017	