

API 1000B

Single Phase Inverter



Delta's technology leading telecom inverter API 1000B provides the industrial leading efficiency of 94%. The single phase, hot pluggable fan cooled inverter provides the 12.6W/in³ outstanding power density. Integrated with the high efficiency inverter API 1000B, Delta power solution provides an energy saving solution for network base stations, wireless applications, fixed line applications and data communications.



API 1000B



GOASAI-01-ZL

INPUT

Voltage (nominal)	54V _{DC}
Voltage (range)	42 - 58V _{DC}
Current (normal)	20A
Current (maximum)	25.6A (minimum input)
Protection	Internal fuse (40A)

OUTPUT

Voltage (default)	230V _{AC}
Voltage (adjustable range)	208 / 220 / 230 / 240V _{AC} (configurable)
Frequency	50 / 60Hz
Output Current	4.35A @ default voltage
Maximum Power @ nominal Input	1000W / 1000VA
Power Density	12.6 W/in ³
Peak Efficiency	94 %
Crest Factor	< 3
THD	Linear Load < 3%; Non-linear Load < 6%
Overload Capacity	< 125% ± 5% 3 minutes (linear load only) < 150% ± 5% 30 second (linear load only) > 150% ± 5% 0.5 second (linear load only)
Protection	Short Circuit; High Temperature; Over Voltage

USER INTERFACE

Alarm and Signaling	CANbus to System Controller		
Indications	OK	Green/Yellow/Red	Normal operation/ One mode failure / Both mode failure or protection alarm
	COM	Green	Communication status
	NL	Yellow	Load status

MECHANICAL

Dimensions (W x H x D)	125.5 x 41.0 x 272.9mm (4.94 x 1.61 x 10.74in)
Weight	1.6kg (3.52lb)

ENVIRONMENTAL

Operating Temperature	-40 to +75 °C (-40 to +167 °F)
Storage Temperature	-40 to +80 °C (-40 to +176 °F)
Altitude	0 to +4000m
Related Humidity	0 – 95 % RH non-condensing
Acoustic Noise	≤ 55dBA

STANDARDS

Safety	UL, cUL, TUV; CE Compliance
EMC	EN 300 386; EN 55022; CISPR 22 Class A
Environment	RoHS
MTBF	300k hours @ 25 °C (+77 °F)

* All specifications are subject to change without prior notice.