



Energizer. Solar

Gateway Backup Management

USA VERSION



The Energizer Solar Gateway is the energy management device which connects the loads, the generator and the solar system and enables full home back-up. It automatically detects grid outages and seamlessly transitions to back-up power. The Energizer Solar Gateway allows for smart loads to be connected and integrates with a standby generator to provide energy security.

-  Remotely upgradable making installation & maintenance fast & efficient
-  200A whole home backup passthrough
-  Easy to Install
-  Disconnection switchover time <20ms
-  Integrated meter



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GENERAL ELECTRICAL

AC Current (Nominal) [A]	200
AC Input Voltage (Nominal) [Vac]	240
AC Output Voltage (Nominal) [Vac]	120/240
Rated AC Power [Kw]	48
AC Voltage Range [Vac]	211~264
AC Frequency (Nominal) [Hz]	60
AC Frequency Range [Hz]	57~63
Microgrid Interconnection Device Rated Current [A]	200
Grid Disconnection Switchover Time [ms]	<20
Short Circuit Breaking Capacity [KA]	22

EXTERNAL CONNECTION

Solar Terminal [A]	80
Force D-A Inverter [A]	80
Smart Circuits 1 (240V) [A]	80
Smart Circuits 2,3 (240V) [A]	80
Non-Backup Load [A]	200
Backup Load Terminal [A]	200
Busbar Rating [A]	280

GENERATOR (OPTIONAL)

Maximum Rated AC Power [kW]	48
AC Voltage Range [Vac]	211~264
Maximum Continuous Input Current [A _{dc}]	200
Dry Contact Switch Voltage Rating [Vac/Vdc]	250/30
Dry Contact Switch Current Rating [A]	0.5A (250Vac) / 3A (30Vdc)
2-wire Start Switch	YES

ADDITIONAL FEATURES

Communications	CAN, RS485
Energy Meter (for Import/Export)	0.5% accuracy
Maximum number of Inverters	4

STANDARD COMPLIANCE

Safety	UL67,UL869A,UL916,UL1741,CSA22.2 NO.107
Emissions	FCC part 15 class B

OTHER INFORMATION

Supported Inverters	Energizer Solar Force Inverters
AC from Grid Conduit Size / AWG Range	2.5" Conduits / 6AWG - 250kcmil
AC Generator Input Conduit Size / AWG Range	2.5" Conduits / 6AWG - 250kcmil
Communication Conduit Size / AWG Range	1" Conduits / 24AWG - 16kcmil
Weight	37.4 lbs
Cooling	Natural Convection
Noise	<35dB
Operating Temperature Range	-13°F to +122°F
Protection Rating	Type 3R
Dimensions (WxHxD)	17.4" x 26.2" x 6.2"
Warranty	12.5 Years