



Overview

Description	UPS and four UL 924 listed matching battery cubicles with a minimum of 90 minutes battery operation.
Model Name	G5K 100 KVA 480V UPS with SA Batt UL924 BACKUP 90 Min
Includes	Installation guide
Standard Lead Time	Usually Ships within 2 Weeks
Product Distribution	Canada , United States

General

Bypass Connection	4 wire (3Ph + N) or 5 wire (3Ph + N + G)
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Output

Output Power Capacity	90.0 KW / 100.0 kVA
Max Configurable Power (Watts)	90.0 KW / 100.0 kVA
Nominal Output Voltage	480 3PH , 600 3PH
Output Voltage Distortion	Less than 2%
Output Frequency (sync to mains)	60 Hz
Other Output Voltages	600V
Crest Factor	3 : 1
Crest Factor	Double Conversion Online
Waveform Type	Sine wave
Output Connections	(1) Hard Wire 4-wire (3PH + G) (Battery Backup)
Output Voltage Tolerance	+/- 1% static and +/- 2 % at 100% load step
Output Voltage THD	< 1% linear load and < 2.5% nonlinear load
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%
Required Output Current Protection	144 A
Bypass	Internal Bypass (Automatic and Manual) , Optional External Bypass

Input

Nominal Input Voltage	480 3PH , 600 3PH
Input Frequency	45 - 65 Hz , 60 Hz - programmable +/- 0.5 / 1 / 2 / 4 / 6 / 8%
Input Connections	Hard Wire 4-wire (3PH + G)

Input voltage range for main operations	408 - 552 (480) V
Input voltage adjustable range for mains operation	408 - 552 (480V)V
Maximum Input Current	190 A
Input Breaker Capacity	250 A
Maximum Short Circuit Withstand (Icw)	30.0
Input Total Harmonic Distortion	Less than 3% for full load
Type of Input Protection Required	3-pole breaker

Batteries & Runtime

Battery Type	No internal battery - uses external battery system
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Communications & Management

Available SmartSlot™ Interface Quantity	3
Control panel	Multi-function LCD status and control console
Emergency Power Off (EPO)	Yes

Physical

Maximum Height	1905.0 mm
Maximum Width	5646.0 mm
Maximum Depth	813.0 mm
Net Weight	8883.64 kg
Shipping Weight	8929.09 kg
Shipping Height	1930.0 mm
Shipping Width	5688.0 mm
Shipping Depth	838.0 mm

Environmental

Operating Environment	0 - 40 °C
Operating Relative Humidity	5 - 90 %
Operating Elevation	0-999.9 meters
Storage Temperature	-20 - 45 °C
Storage Relative Humidity	0 - 95 %
Storage Elevation	0-9000 meters
Audible noise at 1 meter from surface of unit	63.000 dB
Online Thermal Dissipation	23886.000 BTU/hr
Protection Class	IP 20

Conformance

Approvals	UL 1778 , UL 924 Listed
Standard warranty	1 year on-site repair or replace with factory authorized Start-Up