



Intelligent Power Systems

GenBox Worksheet: Configuration & Options

Date	
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NEXGEAR ORIGINATOR

Name		Title	
Tel:		EM:	

CUSTOMER CONTACT, PROJECT, DESIRED DELIVERY

Name		Title	
Company			
Address			
Address			
Tel:			
EM:			
Project			
Desired Delivery Date			

SHIP TO (IF DIFFERENT FROM CUSTOMER CONTACT)

Name		Title	
Company			
Address			
Address			
Tel:			
EM:			

PHYSICAL

Generator Enclosure	
Generator is enclosed	<input type="checkbox"/> Y <input type="checkbox"/> N
Generator skid mounted (not enclosed)	<input type="checkbox"/> Y <input type="checkbox"/> N



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GENERATOR ELECTRICAL INFORMATION

Generator Manufacturer				
Generator Model				
Generator Size	kVA =	kW =	pf =	Volts =
Short Circuit	SSA = , or	Rated Amps =	x"d =	
Are there other significant sources of SS current? (other generators, utility source, large motors)	<input type="checkbox"/> Y <input type="checkbox"/> N	If YES, what is the largest possible aggregated SSA? kA =		

CB CONFIGURATION

CB 1 <input type="checkbox"/> Y <input type="checkbox"/> N/A	CB 1 <input type="checkbox"/> Y <input type="checkbox"/> N/A	CB3 <input type="checkbox"/> Y <input type="checkbox"/> N/A
Load Amps =	Load Amps =	Load Amps =
Rating: <input type="checkbox"/> 80% <input type="checkbox"/> 100%	Rating: <input type="checkbox"/> 80% <input type="checkbox"/> 100%	Rating: <input type="checkbox"/> 80% <input type="checkbox"/> 100%
Trip Unit <input type="checkbox"/> Y <input type="checkbox"/> N Magnetic <input type="checkbox"/> ThermoMagnetic <input type="checkbox"/> LSI <input type="checkbox"/> LSIA <input type="checkbox"/> LSIG <input type="checkbox"/> Bell Alarm <input type="checkbox"/> Y <input type="checkbox"/> N	Trip Unit <input type="checkbox"/> Y <input type="checkbox"/> N Magnetic <input type="checkbox"/> ThermoMagnetic <input type="checkbox"/> LSI <input type="checkbox"/> LSIA <input type="checkbox"/> LSIG <input type="checkbox"/> Bell Alarm <input type="checkbox"/> Y <input type="checkbox"/> N	Trip Unit <input type="checkbox"/> Y <input type="checkbox"/> N Magnetic <input type="checkbox"/> ThermoMagnetic <input type="checkbox"/> LSI <input type="checkbox"/> LSIA <input type="checkbox"/> LSIG <input type="checkbox"/> Bell Alarm <input type="checkbox"/> Y <input type="checkbox"/> N
Ground Fault <input type="checkbox"/> Y <input type="checkbox"/> N Zero Sequence <input type="checkbox"/> Y <input type="checkbox"/> N Residual <input type="checkbox"/> Y <input type="checkbox"/> N	Ground Fault <input type="checkbox"/> Y <input type="checkbox"/> N Zero Sequence <input type="checkbox"/> Y <input type="checkbox"/> N Residual <input type="checkbox"/> Y <input type="checkbox"/> N	Ground Fault <input type="checkbox"/> Y <input type="checkbox"/> N Zero Sequence <input type="checkbox"/> Y <input type="checkbox"/> N Residual <input type="checkbox"/> Y <input type="checkbox"/> N
Fire Pump Application <input type="checkbox"/> Y <input type="checkbox"/> N Pump HP	Fire Pump Application <input type="checkbox"/> Y <input type="checkbox"/> N Pump HP	Fire Pump Application <input type="checkbox"/> Y <input type="checkbox"/> N Pump HP
Electric Operation <input type="checkbox"/> Y <input type="checkbox"/> N Trip Voltage (Shunt Trip)= <input type="checkbox"/> DC <input type="checkbox"/> AC Close Voltage= <input type="checkbox"/> DC <input type="checkbox"/> AC Charge Voltage= <input type="checkbox"/> DC <input type="checkbox"/> AC	Electric Operation <input type="checkbox"/> Y <input type="checkbox"/> N Trip Voltage (Shunt Trip)= <input type="checkbox"/> DC <input type="checkbox"/> AC Close Voltage= <input type="checkbox"/> DC <input type="checkbox"/> AC Charge Voltage= <input type="checkbox"/> DC <input type="checkbox"/> AC	Electric Operation <input type="checkbox"/> Y <input type="checkbox"/> N Trip Voltage (Shunt Trip)= <input type="checkbox"/> DC <input type="checkbox"/> AC Close Voltage= <input type="checkbox"/> DC <input type="checkbox"/> AC Charge Voltage= <input type="checkbox"/> DC <input type="checkbox"/> AC
Auxiliary Contacts <input type="checkbox"/> Y <input type="checkbox"/> N Sets of a/b contacts =	Auxiliary Contacts <input type="checkbox"/> Y <input type="checkbox"/> N Sets of a/b contacts =	Auxiliary Contacts <input type="checkbox"/> Y <input type="checkbox"/> N Sets of a/b contacts =
Key Interlock <input type="checkbox"/> Y <input type="checkbox"/> N With External CB <input type="checkbox"/> Y <input type="checkbox"/> N With <input type="checkbox"/> CB 2 <input type="checkbox"/> CB 3	Key Interlock <input type="checkbox"/> Y <input type="checkbox"/> N With External CB <input type="checkbox"/> Y <input type="checkbox"/> N With <input type="checkbox"/> CB 1 <input type="checkbox"/> CB 3	Key Interlock <input type="checkbox"/> Y <input type="checkbox"/> N With External CB <input type="checkbox"/> Y <input type="checkbox"/> N With <input type="checkbox"/> CB 1 <input type="checkbox"/> CB 2

Note: CBs will be UL489 or UL1066 listed.



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CB INSTRUMENTATION AND INDICATION

CB 1 <input type="checkbox"/> Y <input type="checkbox"/> N/A	CB 2 <input type="checkbox"/> Y <input type="checkbox"/> N/A	CB3 <input type="checkbox"/> Y <input type="checkbox"/> N/A
Phase Rotation Relay <input type="checkbox"/> Y <input type="checkbox"/> N	Phase Rotation Relay <input type="checkbox"/> Y <input type="checkbox"/> N	Phase Rotation Relay <input type="checkbox"/> Y <input type="checkbox"/> N
Sync Check Relay <input type="checkbox"/> Y <input type="checkbox"/> N	Sync Check Relay <input type="checkbox"/> Y <input type="checkbox"/> N	Sync Check Relay <input type="checkbox"/> Y <input type="checkbox"/> N
Indication Lights <input type="checkbox"/> Y <input type="checkbox"/> N Opened <input type="checkbox"/> Y <input type="checkbox"/> N Closed <input type="checkbox"/> Y <input type="checkbox"/> N Tripped <input type="checkbox"/> Y <input type="checkbox"/> N	Indication Lights <input type="checkbox"/> Y <input type="checkbox"/> N Opened <input type="checkbox"/> Y <input type="checkbox"/> N Closed <input type="checkbox"/> Y <input type="checkbox"/> N Tripped <input type="checkbox"/> Y <input type="checkbox"/> N	Indication Lights <input type="checkbox"/> Y <input type="checkbox"/> N Opened <input type="checkbox"/> Y <input type="checkbox"/> N Closed <input type="checkbox"/> Y <input type="checkbox"/> N Tripped <input type="checkbox"/> Y <input type="checkbox"/> N

CABLING AND LUGS

CB 1 <input type="checkbox"/> Y <input type="checkbox"/> N/A	CB 2 <input type="checkbox"/> Y <input type="checkbox"/> N/A	CB 3 <input type="checkbox"/> Y <input type="checkbox"/> N/A
Lug Type <input type="checkbox"/> Provision only <input type="checkbox"/> 1-Hole Mechanical (std). <input type="checkbox"/> 1-Hole Compression <input type="checkbox"/> 2-Hole Compression <input type="checkbox"/> 2-Hole Long Barrel Compression	Lug Type <input type="checkbox"/> Provision only <input type="checkbox"/> 1-Hole Mechanical (std). <input type="checkbox"/> 1-Hole Compression <input type="checkbox"/> 2-Hole Compression <input type="checkbox"/> 2-Hole Long Barrel Compression	Lug Type <input type="checkbox"/> Provision only <input type="checkbox"/> 1-Hole Mechanical (std). <input type="checkbox"/> 1-Hole Compression <input type="checkbox"/> 2-Hole Compression <input type="checkbox"/> 2-Hole Long Barrel Compression
Lug Material <input type="checkbox"/> Aluminum (std). <input type="checkbox"/> Copper	Lug Material <input type="checkbox"/> Aluminum (std). <input type="checkbox"/> Copper	Lug Material <input type="checkbox"/> Aluminum (std). <input type="checkbox"/> Copper
Phase Cable Size = Lug Quantity =	Phase Cable Size = Lug Quantity =	Phase Cable Size = Lug Quantity =
Neutral Cable Size = Lug Quantity =	Neutral Cable Size = Lug Quantity =	Neutral Cable Size = Lug Quantity =
Ground Cable Size = Lug Quantity =	Ground Cable Size = Lug Quantity =	Ground Cable Size = Lug Quantity =
Cable Entrance <input type="checkbox"/> Top <input type="checkbox"/> Bottom <input type="checkbox"/> Left Side <input type="checkbox"/> Right Side	Cable Entrance <input type="checkbox"/> Top <input type="checkbox"/> Bottom <input type="checkbox"/> Left Side <input type="checkbox"/> Right Side	Cable Entrance <input type="checkbox"/> Top <input type="checkbox"/> Bottom <input type="checkbox"/> Left Side <input type="checkbox"/> Right Side



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SERVICE ENTRANCE SUITABILITY AND UL LISTING

Suitable for Use as Service Entrance For UL Listing, please contact the Factory	<input type="checkbox"/> Y <input type="checkbox"/> N
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Note: CBs will be UL489 or UL1066 listed.

SERVICES AND WARRANTY

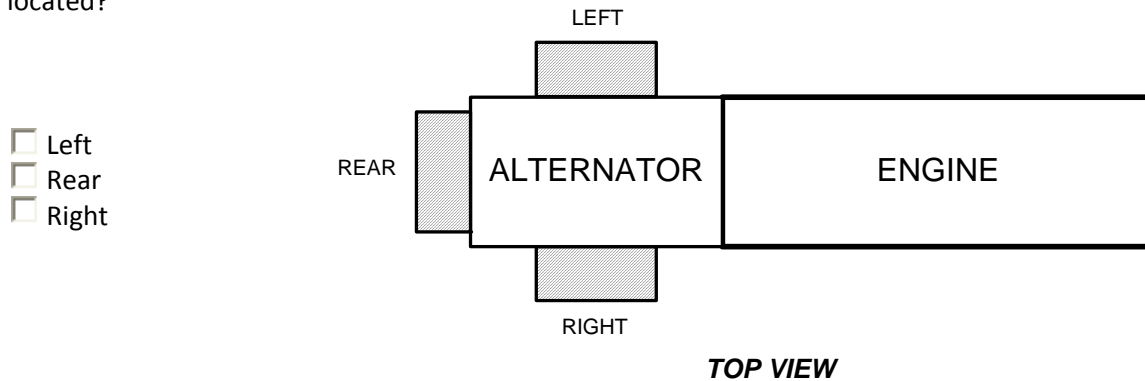
NexGear to Install and Commission	<input type="checkbox"/> Y <input type="checkbox"/> N	
NexGear to Commission	<input type="checkbox"/> Y <input type="checkbox"/> N	
Extended Warranty (1 Year Std.)	<input type="checkbox"/> Y <input type="checkbox"/> N	If Yes, how long?
Coordination Study	<input type="checkbox"/> Y <input type="checkbox"/> N	

COMMENTS, SPECIAL REQUIREMENTS

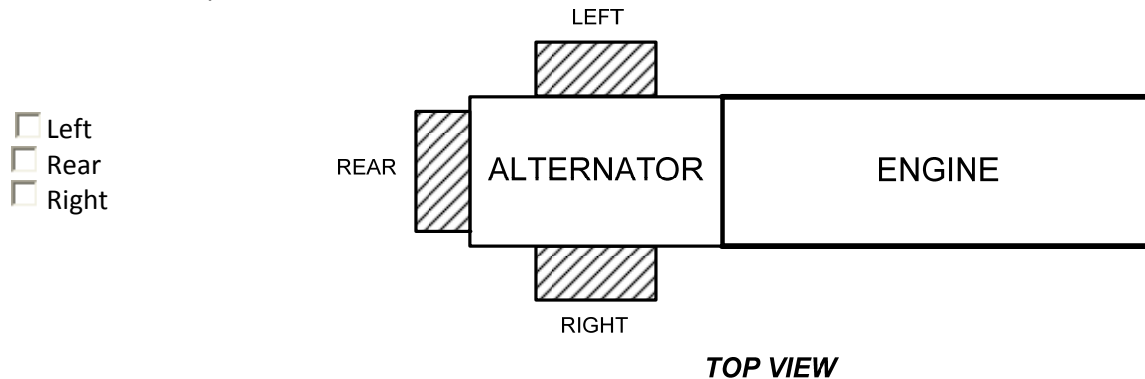
(convenience outlets, meters, switches, terminal blocks, lights, other)

Is there an existing CB enclosure mounted on the generator?	<input type="checkbox"/> Y <input type="checkbox"/> N
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If **YES**, if viewed from the alternator end of the genset, top view, where is the existing CB enclosure located?



If **NO**, if viewed from the alternator end of the genset, top view, where are the alternator output leads or alternator output bus located?



Note:

We have engineered and fabricated GenBoxes for many different gensets. If we have done so, we would possess the mechanical drawings we need. If we have not made engineered and fabricated a GenBox for a particular model of genset, we may ask for mechanical drawings of the existing CB enclosure or of the alternator per application requirements.