

Generator Sub-Panel Installation with Interlock

Account

Name: Jia Wang
 Email: [REDACTED]
 Phone: [REDACTED]

Estimate Details

Description: Install 125-amp sub-panel in garage with generator interlock system, relocate 6 circuits, install generator inlet box through concrete block wall
 Location: Lutz, Florida, 33549

Materials

Item	Qty	Unit Price	Subtotal
125-Amp Sub-Panel 125-amp main lug load center with 12-16 circuit capacity	1 unit	\$185.00	\$185.00
100-Amp CH Breaker Eaton CH 100-amp 2-pole circuit breaker for main panel	1 unit	\$95.00	\$95.00
50-Amp Breaker 50-amp 2-pole circuit breaker for generator connection	1 unit	\$45.00	\$45.00
Generator Inlet Box 50-amp NEMA 14-50 power inlet box, weatherproof	1 unit	\$75.00	\$75.00
Generator Interlock Kit Interlock kit compatible with 200-amp main panel	1 unit	\$85.00	\$85.00
#2 AWG Copper Wire THHN copper wire for 100-amp sub-panel feed (4 conductors: 2 hots, neutral, ground)	25 feet	\$4.25	\$106.25
#6 AWG Copper Wire THHN copper wire for 50-amp generator circuit (4 conductors)	30 feet	\$2.80	\$84.00
Circuit Wire Extensions #12 and #14 AWG copper wire for extending 6 relocated circuits to sub-panel	150 feet	\$1.50	\$225.00

This estimate is provided for informational purposes only and is subject to change without notice. All prices, quantities, and specifications are estimates and are not guaranteed. This document does not constitute a contract or binding agreement. estimate4u.io assumes no liability for errors, omissions, or reliance on the information contained herein.

Item	Qty	Unit Price	Subtotal
Conduit & Fittings EMT conduit, connectors, clamps, bushings for exposed garage runs	1 lump sum	\$125.00	\$125.00
Breaker Connections Hardware Wire nuts, terminal lugs, grounding hardware, misc. electrical supplies	1 lump sum	\$65.00	\$65.00
Total of materials			\$1,090.25

Labor

Item	Qty	Unit Price	Subtotal
Licensed Electrician Labor Install sub-panel, breakers, interlock, inlet box, relocate 6 circuits, wire extensions, testing	16 hours	\$75.00	\$1,200.00
Concrete Block Drilling Core drill 2.5 inch hole through garage concrete block wall for generator inlet conduit	1 lump sum	\$150.00	\$150.00
Helper Labor Electrician's helper for wire pulling and material handling	8 hours	\$25.00	\$200.00
Total labor cost			\$1,550.00

Other Fees

Item	Qty	Unit Price	Subtotal
Electrical Permit Fee Local government electrical permit for sub-panel and generator installation	1 lump sum	\$275.00	\$275.00
Inspection Fee Electrical inspection fee	1 lump sum	\$100.00	\$100.00
Total other fees			\$375.00

This estimate is provided for informational purposes only and is subject to change without notice. All prices, quantities, and specifications are estimates and are not guaranteed. This document does not constitute a contract or binding agreement. estimate4u.io assumes no liability for errors, omissions, or reliance on the information contained herein.

Summary

Total of materials	\$1,090.25
Total labor cost	\$1,550.00
Taxable subtotal	\$2,640.25
Tax (7%)	\$184.82
Discount	\$0.00
Total (after tax)	\$2,825.07
Other Fees	\$375.00

Final total of estimate **\$3,200.07**

Checklist before Signing Contract

1. Verify the electrician is licensed in Florida and will pull the permit in their name — unlicensed work voids insurance and creates liability.
2. Confirm the interlock kit is compatible with your specific 200-amp main panel brand and model — not all interlocks fit all panels.
3. Ask whether the electrician will verify that your main panel has sufficient capacity to support the new 100-amp sub-panel load without overloading the service.
4. Confirm that the core drilling through the concrete block wall includes sealing and weatherproofing around the conduit entry point to prevent water intrusion.
5. Ask how long after the inspection the electrician will return to connect the circuits and make the system live — some require a re-inspection before energizing.
6. Verify that all relocated circuits will be properly labeled at both the main panel and sub-panel to match their original designations.
7. Confirm the electrician will provide documentation on proper generator operation and interlock use, including load balancing guidance for your specific setup.
8. Ask about warranty on electrical labor — typically 1 year for this type of work — and what it covers.

This estimate is provided for informational purposes only and is subject to change without notice. All prices, quantities, and specifications are estimates and are not guaranteed. This document does not constitute a contract or binding agreement. estimate4u.io assumes no liability for errors, omissions, or reliance on the information contained herein.