**Geneforce Power Systems Wiring Diagram - Wiring an External Bypass Switch and Sub Panel for 30A/120V Geneforce Units.**

**Flanged Inlet 30A/120V (\*optional for quick disconnect) (male to female cable required)**

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30A/120V Twist Lock Input Plug included

 

Geneforce recommends Eaton EGSU200ACA ATS or similar. Manual Transfer Switch is optional.

+ ZOOM

AC Input 2 30A/120V Single Pole, 3-Wire 10/3 Cable

AC Input 2 is for optional use. Used for shaving loads or providing redundancy with an auxiliary generator.

**AC Input 1** Eight foot 30A/120V Input Plug, Single Pole, 3-Wire 10/3 Cable Breaker Box Installed in Geneforce

**AC Output** 30A/120V Output Receptacle, Single Pole, 3-Wire 10/3 Cable Breaker Box Installed in Geneforce

Auxiliary Gas Generator Optional for Load Shaving and Redundancy.

Automatic Generator Start Switch

**AC Output 120V**



30A/120V Automatic Transfer Switch /Relay Included. Automatically transfers power to loads during power failures & automatically resumes charging when power is restored.

Geneforce Incorporated [www.geneforcepower.com](http://www.geneforcepower.com) Telephone (305) 215-5443 For questions email techsupport@geneforcepower.com

6-Gauge **Positive** & **Negative** Cable used for alternative Energy charging.

30A/12V Solar Panel Charge Controller Included

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10/3 Male to Female Cable. Connects to Flanged Inlet at Sub Panel for quick disconnect. Not included.