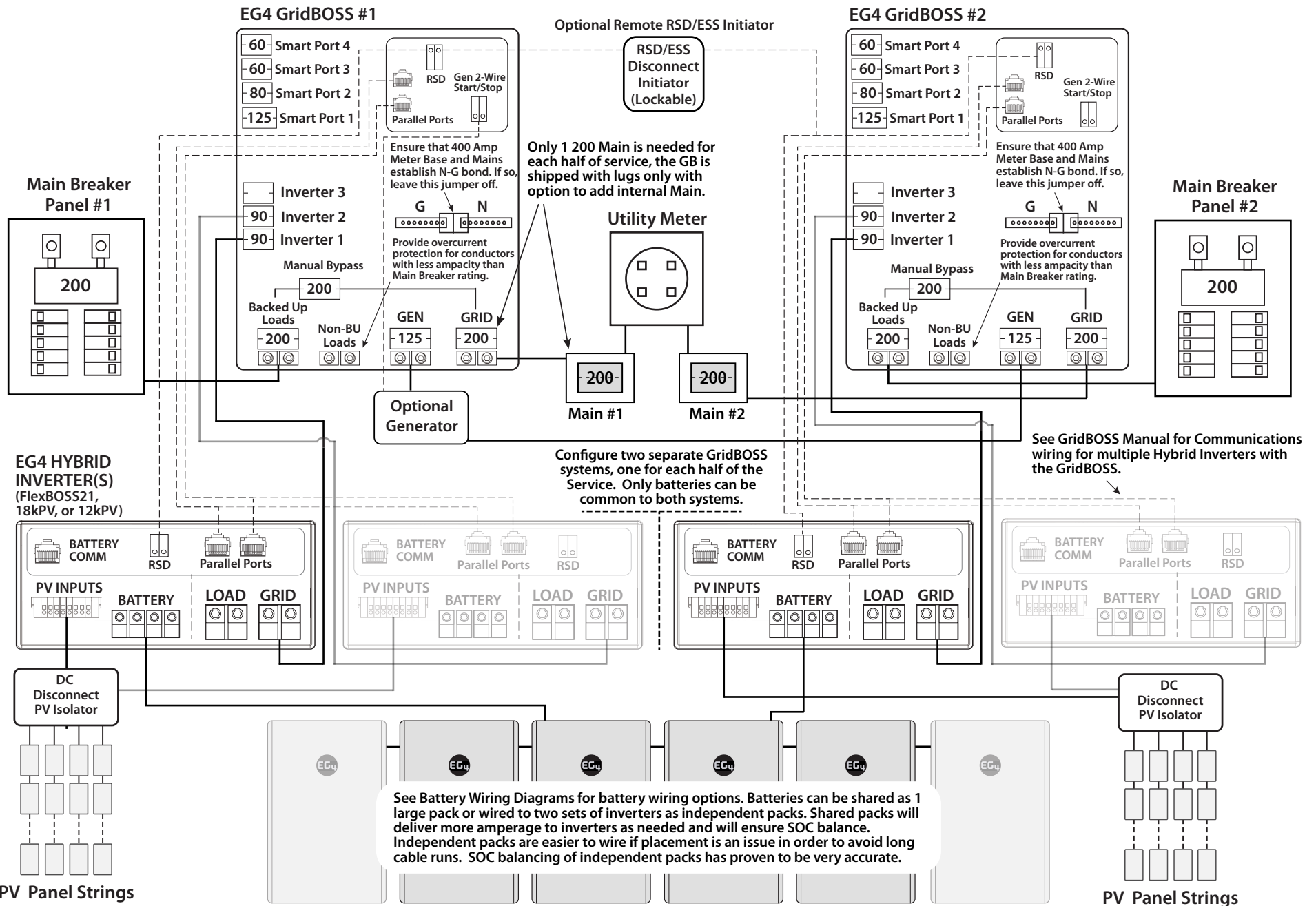


EG4 400 Amp Residential Service System Wiring Diagrams

- 1. EG4 Dual GridBOSSes for 400 Amp Residential Service**
- 2. EG4 Single GridBOSS for 400 Amp Service with Inverter Bypass**
- 3. EG 400 Amp Service without GridBOSS**

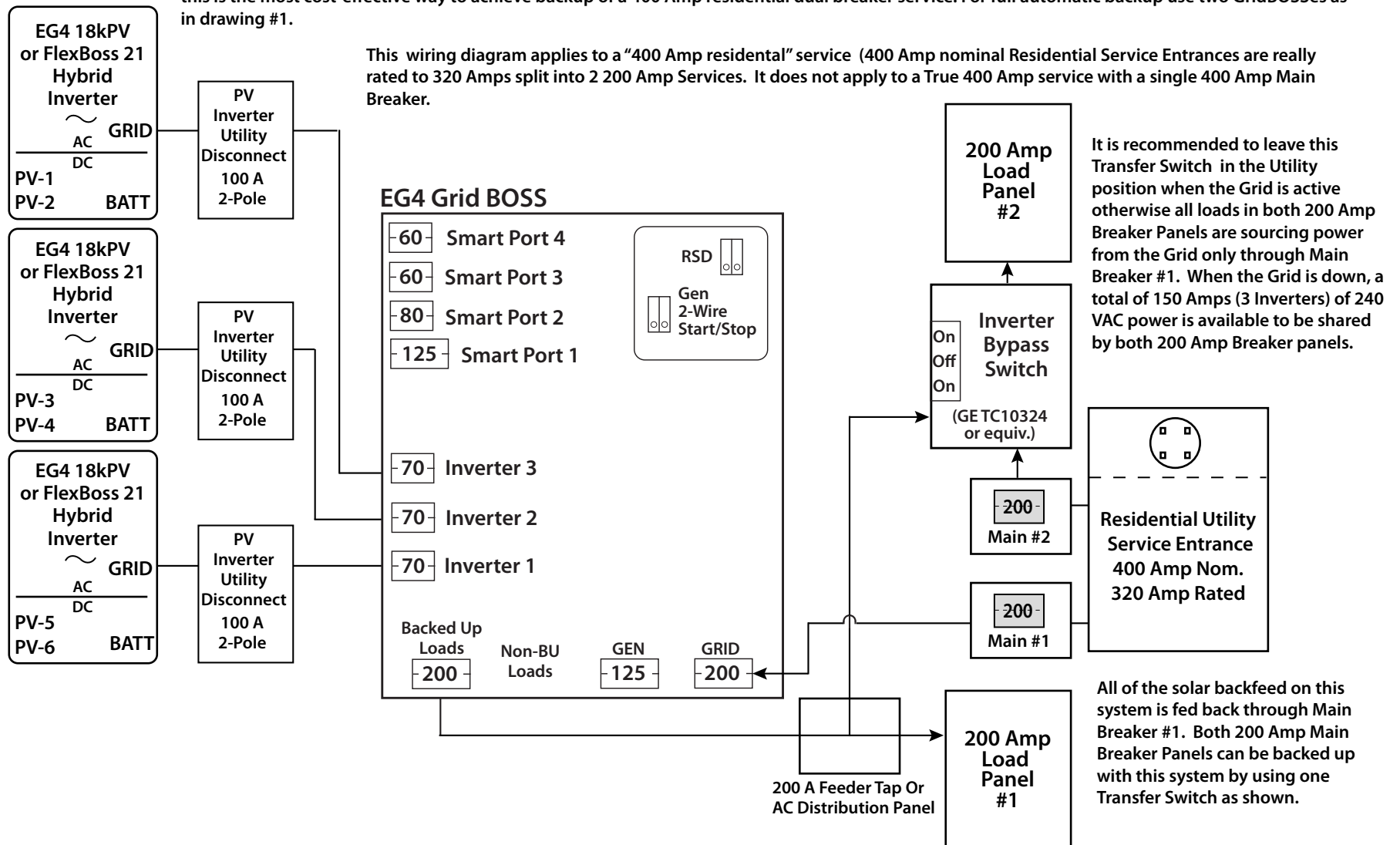
1. Dual GridBOSSes for 400 Amp Residential Service

This wiring diagram applies to a "400 Amp residential" service (400 Amp nominal Residential Service Entrances are really rated to 320 Amps split into 2 200 Amp Services. It does not apply to a True 400 Amp service with a single 400 Amp Main Breaker.



2. Single GridBOSS for 400 Amp Service with Inverter Bypass

NOTE: This configuration does not provide both normal operation with the whole home being fed by 2 x 200 Amp Breakers while at the same time having both Load Panels being automatically backed up upon a grid outage. Panel #2 cannot be automatically backed up upon grid outage while also being powered by Main Breaker #2 normally during grid operation. When the Inverter Bypass Switch is in the Utility Only position - the home will run normally on 2 x 200 Breakers but only Load Panel #1 will receive automatic backup in the case of an outage. Load Panel #2 can be backed up by throwing the Inverter Bypass switch to backup mode after the grid goes down. Assuming the customer does not mind this inconvenience then this is the most cost-effective way to achieve backup of a 400 Amp residential dual breaker service. For full automatic backup use two GridBOSSes as in drawing #1.



3. EG 400 Amp Service without GridBOSS

NOTE: This configuration does not provide both normal operation with the whole home being fed by 2 x 200 Amp Breakers while at the same time having both Load Panels being automatically backed up upon a grid outage. Panel #2 cannot be automatically backed up upon grid outage while also being powered by Main Breaker #2 normally during grid operation. When the Inverter Bypass Switch is in the Utility Only position - the home will run normally on 2 x 200 Breakers but only Load Panel #1 will receive automatic backup. Load Panel #2 can then be backed up by throwing the Inverter Bypass switch to backup mode after the grid goes down. Assuming the customer does not mind this inconvenience then this is the most cost-effective way to achieve backup of a 400 Amp residential dual breaker service. For full automatic backup use two GridBOSSes as in drawing #1.

