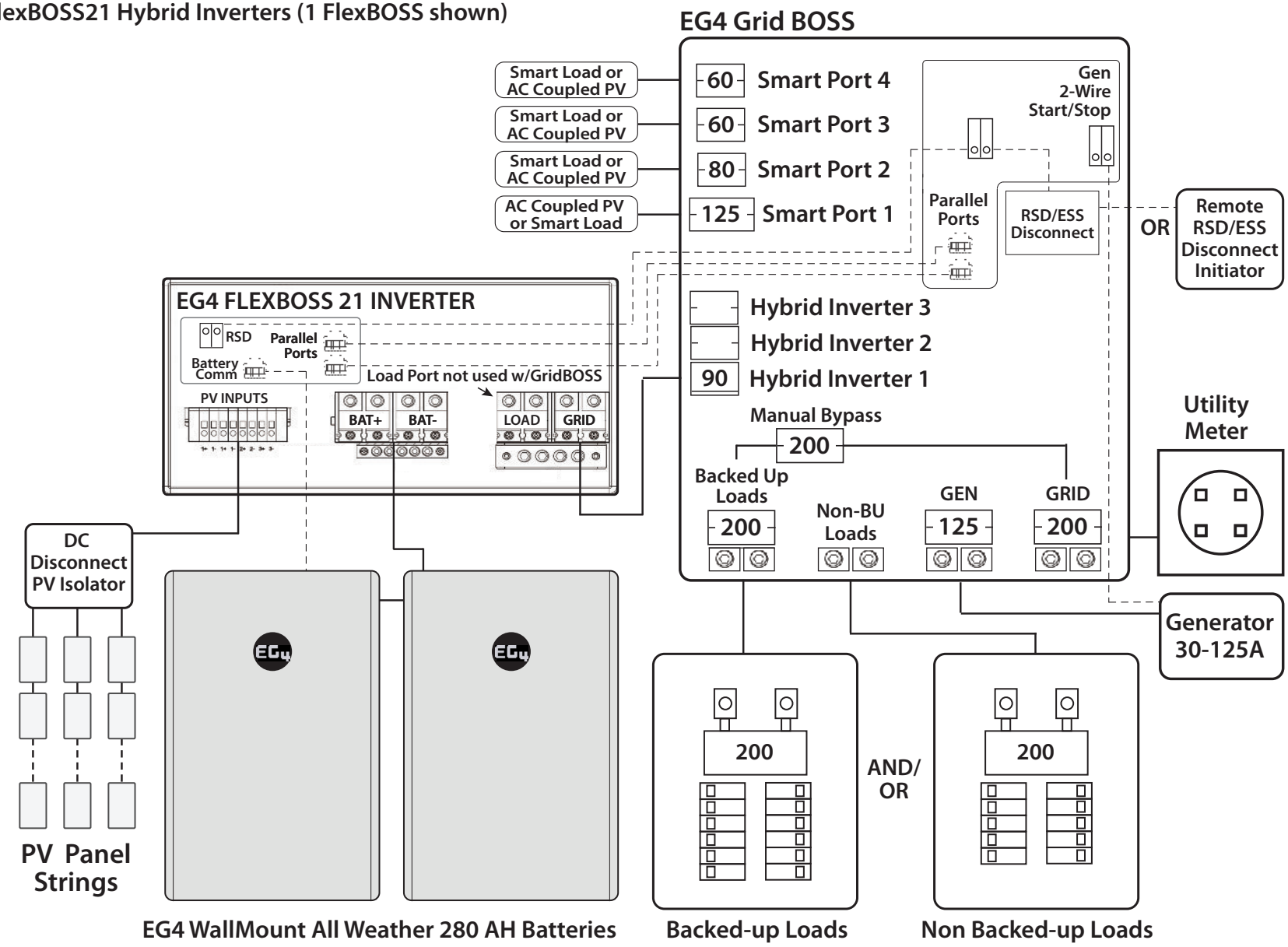
GridBOSS System Wiring Diagrams

1. EG4 GridBOSS Basic Architecture
2. EG4 GridBOSS direct to Utility Meter or Meter-Main
    2a. EG4 GridBOSS direct to Utility Meter or Meter-Main with Notes
3. EG4 GridBOSS With Utility Required Lockable Disconnects and/or PV Production Meter

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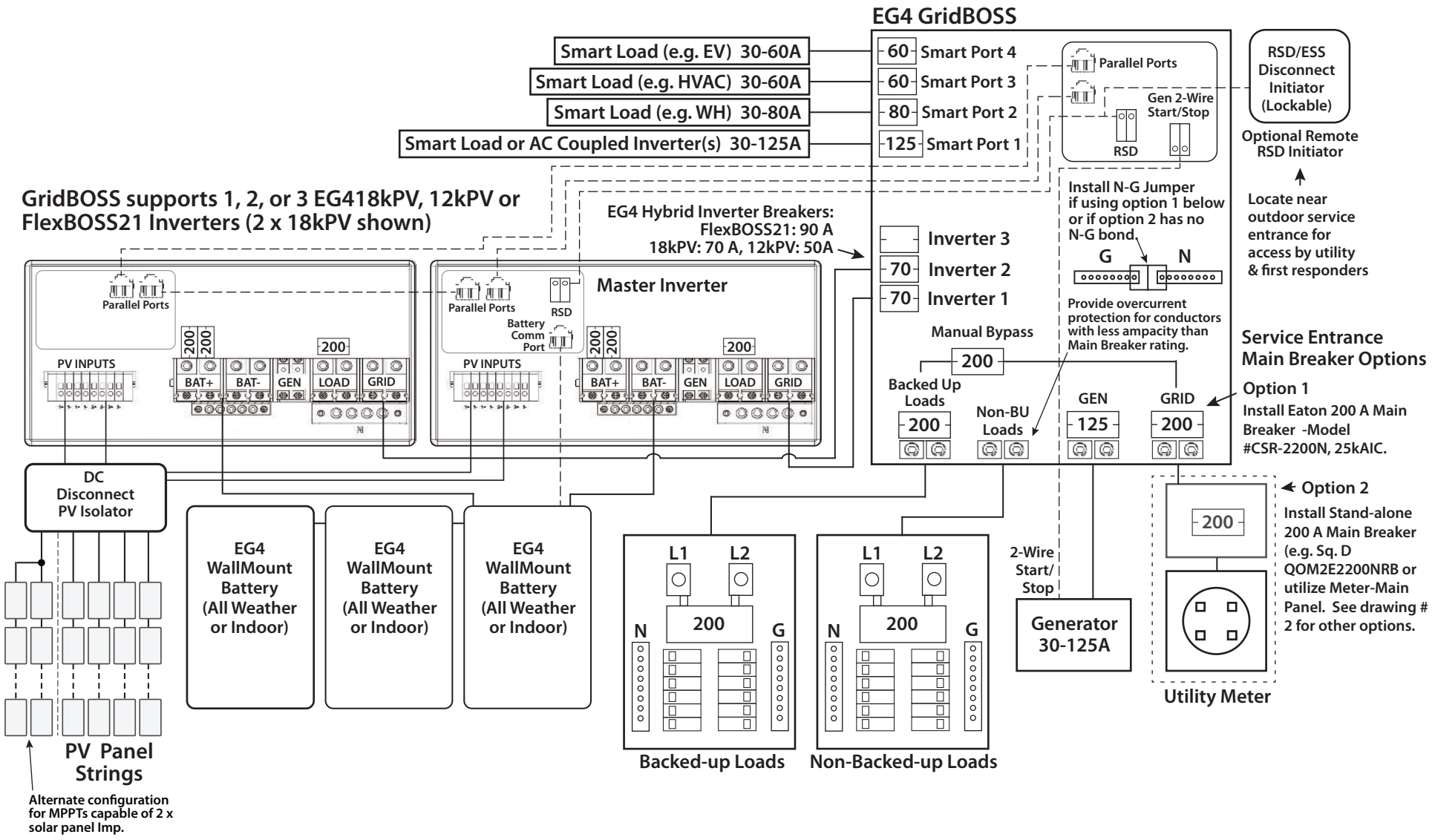
1. EG4 GridBOSS Basic Architecture

GridBOSS supports 1, 2, or 3 EG4 18kPV, 12kPV or FlexBOSS21 Hybrid Inverters (1 FlexBOSS shown)



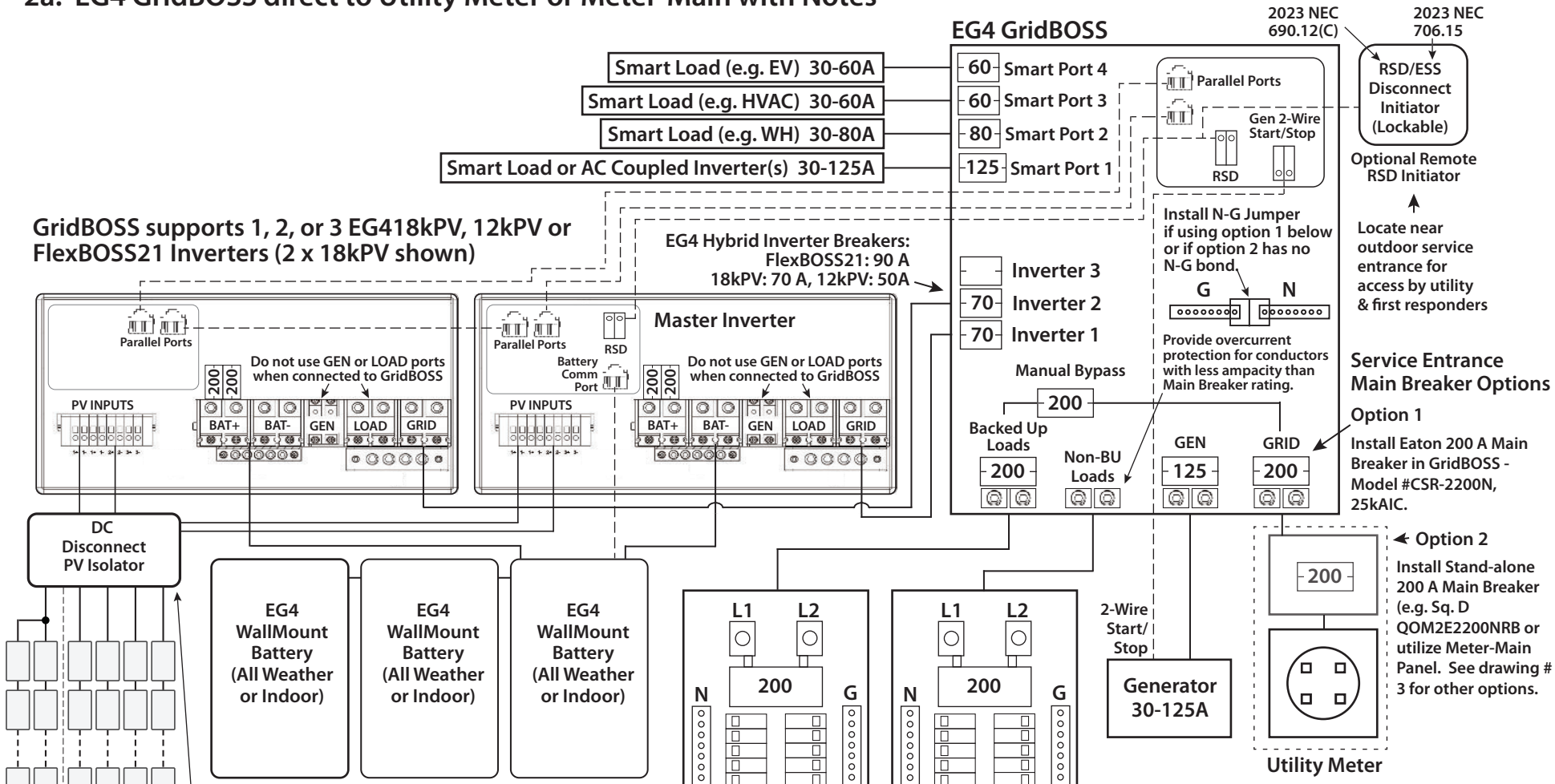
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2. EG4 GridBOSS direct to Utility Meter or Meter-Main



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2a. EG4 GridBOSS direct to Utility Meter or Meter-Main with Notes



Use EG4 WallMount (WM) or Server Rack (SR) Batteries:

- Up to 3 PowerPro (280AH) batteries per EG4 Hybrid Inverter can utilize internal bus bars with no need for external bus bars or fusing.
- Up toot standard Server Rack batteries in 2 EG4 6-high racks can utilize the rack bus bars with no need for external bus bars or fusing.

For larger battery configurations:

- Use a fused positive battery bus bar rated >=250 Amps per inverter using Class-T fuses.
- Use a negative battery bus bar or power distribution block rated >=250 Amps per inverter.

Minimum Recommended Battery to Inverter Ratios

Battery	WallMount		Server Rack	
	280 AH - 200 A BMS		100 AH - 100 A BMS	
	AllWeather	Indoor	LL-S 48V	LifePower4
EG4 Inverter				
12kPV	1	1	2.5	2.5
18kPV	1.5	1.5	4	4
FlexBoss21	1.5	1.5	4	4

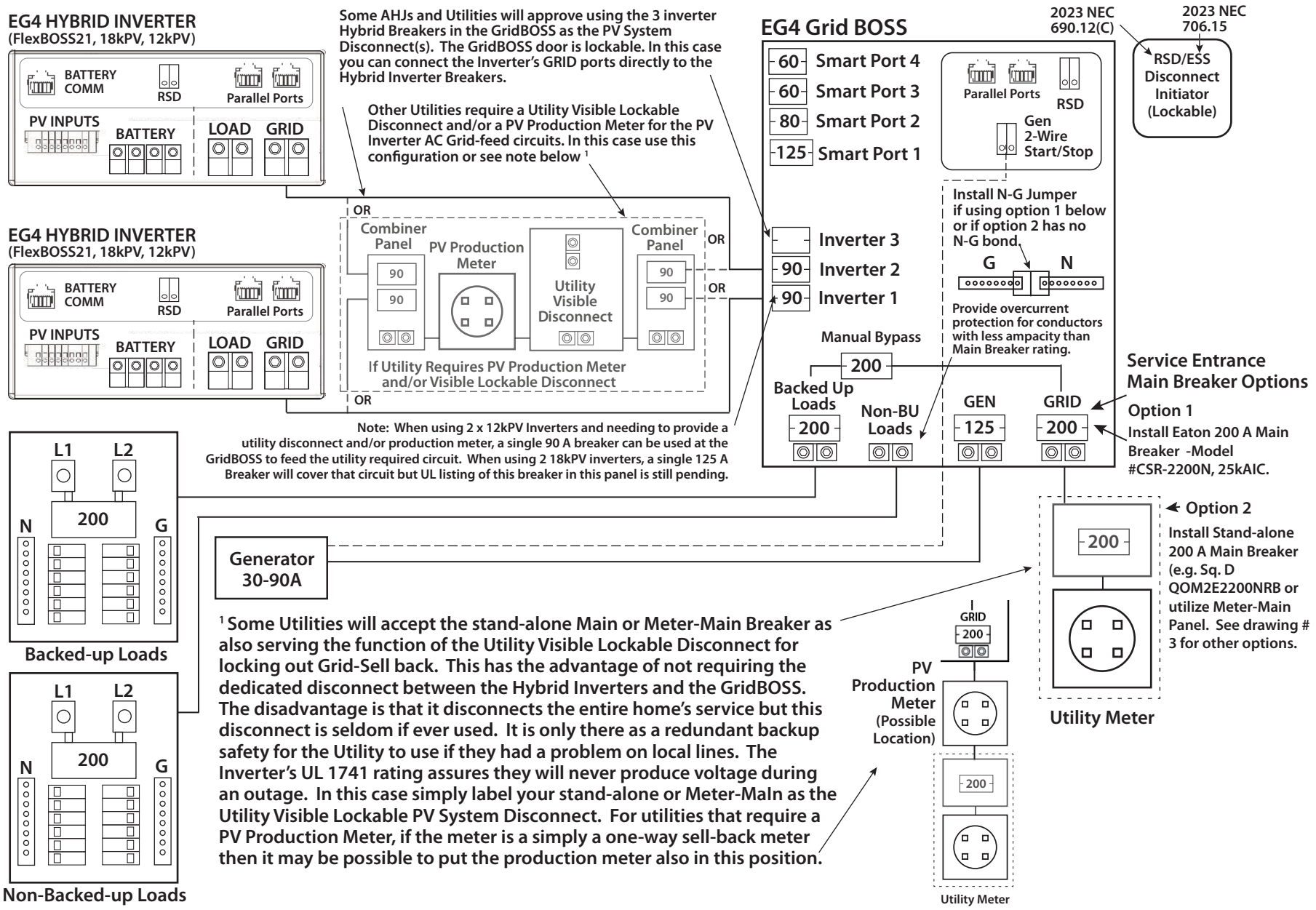
Example: 2 x18kPV inverters need a minimum of 3 WM batteries. This chart indicates minimum battery numbers for providing minimum battery amperage for full utilization of the inverter's power specifications. It does indicate sufficient Amp-Hours needed for back-up storage for any given set of loads.

EG4 Grid BOSS Breaker Values

Breaker Name	Style	Breaker Value(s)
SmartPort 4	User Selectable	30-60 Amps
SmartPort 3	User Selectable	30-60 Amps
SmartPort 2	User Selectable	30-80 Amps
SmartPort 1	User Selectable	30-125 Amps
Inverter 3	User Selectable	50-90 Amps
Inverter 2	User Selectable	50-90 Amps
Inverter 1	User Selectable	50-90 Amps
Backed Up Loads	Fixed	200 Amps
Non-BU Loads	No Breaker	Main Breaker
GEN	User Selectable	30-125 Amps
GRID	User Supplied	200 Amps

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3. EG4 GRIDBOSS with Utility Required Visible Disconnect and/or PV Production Meter



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