

Enphase Testing Successful with EG4 18Kpv Fw Faab-1514

- Enphase Grid Profile was set to: CA Rule21 201902 for Outback Radian

Grid Profile Settings

Gateway - 202250082862

Grid Profile: CA Rule21 201902 for Outback Radian [Change](#)

- We added a Consumption Ct to the combiner box and set the Consumption Meter Configuration to Load Only.

<h4>Production Meter</h4> <p>Active Power : 6.94 kW</p> <p>Apparent Power : 6.96 kVA</p> <p>L1(A)</p> <table><tr><td>3469.87</td><td>3475.29</td><td>28.67</td><td>121.22</td><td>1.00</td></tr><tr><td>W</td><td>VA</td><td>A</td><td>Vrms</td><td>PF</td></tr></table> <p>L2(B)</p> <table><tr><td>3473.81</td><td>3486.48</td><td>28.68</td><td>121.56</td><td>1.00</td></tr><tr><td>W</td><td>VA</td><td>A</td><td>Vrms</td><td>PF</td></tr></table>	3469.87	3475.29	28.67	121.22	1.00	W	VA	A	Vrms	PF	3473.81	3486.48	28.68	121.56	1.00	W	VA	A	Vrms	PF	<h4>Consumption Meter</h4> <p>Active Power : 16.66 kW (Importing from Grid)</p> <p>Apparent Power : 16.69 kVA</p> <p>Meter Location : Load Only</p> <p>L1(A)</p> <table><tr><td>8361.73</td><td>8365.93</td><td>69.02</td><td>121.20</td><td>1.00</td></tr><tr><td>W</td><td>VA</td><td>A</td><td>Vrms</td><td>PF</td></tr></table> <p>L2(B)</p> <table><tr><td>8301.06</td><td>8328.60</td><td>68.50</td><td>121.58</td><td>1.00</td></tr><tr><td>W</td><td>VA</td><td>A</td><td>Vrms</td><td>PF</td></tr></table> <p>Phase Selected</p> <p>L1(A) + L2(B)</p>	8361.73	8365.93	69.02	121.20	1.00	W	VA	A	Vrms	PF	8301.06	8328.60	68.50	121.58	1.00	W	VA	A	Vrms	PF
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- The Charge First (Pv) function does work as intended. PV or AC Couple will work according to the Charge First setting: Charge Power, Start time, and Stop time.
- Configure the “Site Configuration.” On the Main Panel Upgrade Avoidance. Enabled the function and set the “200a” for both settings. Enabled the Aggregate Power Export Limit and set the Export power limit to 12kw.

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← **Main Panel Upgrade Avoidance**

Current Limit Derived Using NEC 120% Rule

PCS Controlled Export Current Limit	:32 A
Main Load Panel Busbar Rating	:200 A
Main Service Breaker Rating	:200 A

Status: Enabled

Edit

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← **Aggregate Power Export Limit**

Aggregate Power Export Limit : 12000 W

Status: Enabled

Edit

Here is a video showing all the settings, with this setting, we can get the Enphase to output over 7kw-8kw.

[Enphase Setting, using Grid Profile: CA Rule21 201902 for Outback Radian](#)