

Array Size (KW)	Total Production (KWH)	Hours of Export	Maximum Demand on the Grid (KW)	Net Generation (KWH)	Total Export (KWH)	Physical Changes to check for at the residence	Physical Changes to check for on the local grid	Potential Residential Impacts
0.5	626.5	0	2.48 (I)	NA	0	None	None	Minor flicker
1.0	1253.	78	2.47 (I)	NA	5	None	None	Minor flicker
2.0	2506.	1,119	2.46 (I)	NA	383	None	None	flicker
5.0	6265.	2,522	3.57 (E)	NA	3,220	In older houses – breaker panel, service size	In older houses – Secondary conductor	Voltage Transients
10.0	12,530.	3,311	7.76 (E)	4,210	9,065	Main breaker	Secondary conductor, meter, meter base	Cut out from high voltage
15.0	18,796.	3,574	12.1 (E)	10,475	15,164	Breaker panel, wiring to the main panel	Transformer, primary from the pole to the transformer	
20.0	25,061	3,735	16.4 (E)	16,741	21,329	Service size, grounds		
30.0	37,592	3,914	25.1 (E)	29,272	33,746			

Not included in the table are the impacts on the grid. That is a subject of further inquiry for another article.