

Enphase Failures Summary.xlsx

Install date	Modules	inverters	Modules watts	Array watts	Inverter	Failures	% Failed	215 Swap	Failure Date 1	Failure Date 2	Failure Date 3	Failure Date 4	Failure Date 5	Failure Date 6
12/29/2009	Sharp ND-224UC1	20	224	4480	Enphase M190									
6/17/2010	Schuco 180 MS05	18	180	3240	Enphase M190	1	5.6%		06/26/12					
10/21/2010	Schuco 220 PS09	40	220	8800	Enphase D380	10	25.0%	11/05/12	08/02/11	09/13/12	09/23/12	09/23/12	01/25/12	
10/27/2010	Schuco 220 PS09	30	220	6600	Enphase D380									
12/23/2010	Schuco MPE 225 PS09	22	225	4950	Enphase M190	5	22.7%	11/20/12	08/01/11	04/20/12	07/02/13	07/26/13	07/26/13	07/26/13
1/25/2011	Schuco MPE 230 PS09	21	230	4830	Enphase M190	6	28.6%		01/13/13	01/20/13	05/06/13	05/20/13	07/15/13	7/12/2013
2/17/2011	Schuco MPE 230 PS09	14	230	3220	Enphase M190	6	42.9%		01/21/13	04/06/13	04/07/13	04/17/13	05/20/13	05/28/13
4/29/2011	Schott Poly 230	15	230	3450	Enphase M190	5	33.3%		07/18/13	07/18/13	07/18/13	07/28/13	07/28/13	
6/1/2011	Sanyo HIT 220	20	220	4400	Enphase M210									
9/30/2011	Sanyo HIT 220	28	220	6160	Enphase M210	1	3.6%		2/21/2013					
12/4/2011	Schuco 235 PS09	30	235	7050	Enphase M215	3	10.0%		01/19/12	05/27/13	07/20/13			
12/10/2011	Sharp NU-Q235F4	24	235	5640	Enphase M215									
	Totals	282		62820		37								
						13.1%	overall failure rate							
						25.6%	M190 failure rate							
						25.0%	D380 failure rate							
						2.1%	M210 failure rate							
						5.6%	M215 failure rate							