

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	4	19.0%		01/13/13	01/20/13	05/06/13	05/20/13		
2/17/2011	Schuco MPE 230 PS09	14	230	3220	Enphase M190	4	28.6%		01/21/13	04/06/13	04/07/13	04/17/13	90 day monitoring	
4/29/2011	Schott Poly 230	15	230	3450	Enphase M190									
6/1/2011	Sanyo HIT 220	20	220	4400	Enphase M210									
9/30/2011	Sanyo HIT 220	28	220	6160	Enphase M190	1	3.6%		2/21/2013					
12/4/2011	Schuco 235 PS09	30	235	7050	Enphase M215	1	3.3%		01/19/12					
12/10/2011	Sharp NU-Q235F4	24	235	5640	Enphase M215									
		282	2669	62820		26								
						9.22%	overall failure rate							
						10.96%	excluding 215s							