Solis Inverters - ENA Fault Current Contribution

Updated: 12.10.2021

Inverter Model	Registered Capacity (maximum active power export)	Maximum reactive power export (lagging)	Maximum reactive power import (leading)	Peak assymetrical short circuit current at 10ms (ip) for 3 phase short circuit fault at the connection poin	RMS value of the initial symmetrical short circuit current (IK") for a 3 phase short circuit fault at the connection point	RMS value of the symmetrical short circuit current at 100ms (Ik(100)) for a 3ϕ short circuit fault at the connection point	Rated Terminal voltage (generator)	rated terminal current (generator)	Generation set registered capacity (net)	Generation set apparent power rating (to be used as base for generator parameters)	Generation set rated active power (gross at generator terminals)
Solis-mini-700-4G	0.0007MW	420Var	420Var	4.4A	3.4A	0	230V	3.0A	0.0007MW	0.0008MVA	0.0007MW
Solis-mini-1000-4G	0.001MW	600Var	600Var	6.4A	4.7A	0	230V	4.3A	0.001MW	0.0011MVA	0.001MW
Solis-mini-1500-4G	0.0015MW	900Var	900Var	9.7A	7.2A	0	230V	6.5A	0.0015MW	0.0017MVA	0.0015MW
Solis-mini-2000-4G	0.002MW	1200Var	1200Var	13.1A	9.6A	0	230V	8.7A	0.002MW	0.0022MVA	0.002MW
Solis-mini-2500-4G	0.0025MW	1500Var	1500Var	16.4A	12.1A	0	230V	10.9A	0.0025MW	0.0028MVA	0.0025MW
Solis-mini-3000-4G	0.003MW	1800Var	1800Var	19.6A	14.2A	0	230V	13.0A	0.003MW	0.0033MVA	0.003MW
Solis-mini-3600-4G	0.0036MW	2160Var	2160Var	23.5A	17.2A	0	230V	15.7A	0.0036MW	0.0036MVA	0.0036MW
S5-GR1P0.7K-M	0.0007MW	420Var	420Var	4.4A	3.4A	0	230V	3.0A	0.0007MW	0.0008MVA	0.0007MW
S5-GR1P1K-M	0.001MW	600Var	600Var	6.4A	4.7A	0	230V	4.3A	0.001MW	0.0011MVA	0.001MW
S5-GR1P 1.5K-M	0.0015MW	900Var	900Var	9.7A	7.2A	0	230V	6.5A	0.0015MW	0.0017MVA	0.0015MW
S5-GR1P2K-M	0.002MW	1200Var	1200Var	13.1A	9.6A	0	230V	8.7A	0.002MW	0.0022MVA	0.002MW
S5-GR1P2.5K-M	0.0025MW	1500Var	1500Var	16.4A	12.1A	0	230V	10.9A	0.0025MW	0.0028MVA	0.0025MW
S5-GR1P3K-M	0.003MW	1800Var	1800Var	19.6A	14.2A	0	230V	13.0A	0.003MW	0.0033MVA	0.003MW
S5-GR1P3.6K-M	0.0036MW	2160Var	2160Var	23.5A	17.2A	0	230V	15.7A	0.0036MW	0.0036MVA	0.0036MW
S6-GR1P0.7K-M	0.0007MW	420Var	420Var	4.4A	3.4A	0	230V	3.0A	0.0007MW	0.0008MVA	0.0007MW
S6-GR1P1K-M	0.001MW	600Var	600Var	6.4A	4.7A	0	230V	4.3A	0.001MW	0.0011MVA	0.001MW
S6-GR1P 1.5K-M	0.0015MW	900Var	900Var	9.7A	7.2A	0	230V	6.5A	0.0015MW	0.0017MVA	0.0015MW
S6-GR1P2K-M	0.002MW	1200Var	1200Var	13.1A	9.6A	0	230V	8.7A	0.002MW	0.0022MVA	0.002MW
S6-GR1P2.5K-M	0.0025MW	1500Var	1500Var	16.4A	12.1A	0	230V	10.9A	0.0025MW	0.0028MVA	0.0025MW
S6-GR1P3K-M	0.003MW	1800Var	1800Var	19.6A	14.2A	0	230V	13.0A	0.003MW	0.0033MVA	0.003MW
S6-GR1P3.6K-M	0.0036MW	2160Var	2160Var	23.5A	17.2A	0	230V	15.7A	0.0036MW	0.0036MVA	0.0036MW
Solis-1P2.5K-4G	0.0025MW	1500Var	1500Var	16.4A	12.1A	0	230V	10.9A	0.0025MW	0.0028MVA	0.0025MW
Solis-1P3K-4G	0.003MW	1800Var	1800Var	19.6A	14.2A	0	230V	13.0A	0.003MW	0.0033MVA	0.003MW
Solis-1P3.6K-4G	0.0036MW	2160Var	2160Var	23.5A	17.2A	0	230V	15.7A	0.0036MW	0.004MVA	0.0036MW
Solis-1P4K-4G	0.004MW	2400Var	2400Var	26.0A	19.1A	0	230V	17.4A	0.004MW	0.0044MVA	0.004MW
Solis-1P4.6K-4G	0.0046MW	2760Var	2760Var	29.9A	21.9A	0	230V	20.0A	0.0046MW	0.005MVA	0.0046MW
Solis-1P5K-4G	.005MW	3000W	3000W	32.6A	23.9A	0	400V	21.7A	.005MW	.005MVA	.005MW
Solis-1P6K-4G	.006MW	3600W	3600W	41A	30A	0	400V	27.3A	.006MW	.0066MVA	.006MW
S5-GR1P2.5K	0.0025MW	1500Var	1500Var	16.4A	12.1A	0	230V	10.9A	0.0025MW	0.0028MVA	0.0025MW
S5-GR1P3K	0.003MW	1800Var	1800Var	19.6A	14.2A	0	230V	13.0A	0.003MW	0.0033MVA	0.003MW
S5-GR1P3.6K	0.0036MW	2160Var	2160Var	23.5A	17.2A	0	230V	15.7A	0.0036MW	0.004MVA	0.0036MW
S5-GR1P4K	0.004MW	2400Var	2400Var	26.0A	19.1A	0	230V	17.4A	0.004MW	0.0044MVA	0.004MW
S5-GR1P4.6K	0.0046MW	2760Var	2760Var	29.9A	21.9A	0	230V	20.0A	0.0046MW	0.005MVA	0.0046MW
S5-GR1P5K	.005MW	3000W	3000W	32.6A	23.9A	0	400V	21.7A	.005MW	.005MVA	.005MW
S5-GR1P6K	.006MW	3600W	3600W	41A	30A	0	400V	27.3A	.006MW	.0066MVA	.006MW
Solis-1P7K-5G	0.007MW	4200Var	4200Var	45.4A	33.3A	0	230V	30.4A	0.007MW	0.0077MVA	0.007MW
Solis-1P8K-5G	0.008MW	4800Var	4800Var	52.2A	38.1A	0	230V	34.8A	0.008MW	0.008MVA	0.008MW

Inverter Model	Registered Capacity (maximum active power export)	Maximum reactive power export (lagging)	Maximum reactive power import (leading)	Peak assymetrical short circuit current at 10ms (ip) for 3 phase short circuit fault at the connection poin	RMS value of the initial symmetrical short circuit current (IK") for a 3 phase short circuit fault at the connection point	RMS value of the symmetrical short circuit current at 100ms (Ik(100)) for a 3ϕ short circuit fault at the connection point	Rated Terminal voltage (generator)	rated terminal current (generator)	Generation set registered capacity (net)	Generation set apparent power rating (to be used as base for generator parameters)	Generation set rated active power (gross at generator terminals)
Solis-3P3K-4G	0.003MW	1800Var	1800Var	6.5A	4.6A	0	400V	4.3 A	0.003MW	0.0033MVA	0.003MW
Solis-3P4K-4G	0.004MW	2400Var	2400Var	8.7A	6.3A	0	400V	5.8 A	0.004MW	0.0044MVA	0.004MW
Solis-3P5K-4G	0.005MW	3000Var	3000Var	10.7A	7.9A	0	400V	7.2 A	0.005MW	0.0055MVA	0.005MW
Solis-3P6K-4G	.006MW	3600W	3600W	52.4A	8.4A	0	400V	8.7A	.006MW	.0066MVA	.006MW
Solis-3P10K-4G	.010MW	6000W	6000W	52.3A	14.5A	0	400V	14.4A	.010MW	.011MVA	.010MW
Solis-3P15K-4G	.015MW	9000W	9000W	32.0A	24.0A	0	400V	21.7A	.015MW	.0165MVA	.015MW
Solis-3P17K-4G	0.017MW	10200Var	10200Var	36.9A	27.1A	0	400V	24.6 A	0.017MW	0.0187MVA	0.017MW
Solis-3P20K-4G	.020MW	12000W	12000W	43.0A	32.0A	0	400V	28.9A	.020MW	.022MVA	.020MW
S5-GR3P3K	0.003MW	1800Var	1800Var	6.5A	4.6A	0	400V	4.3 A	0.003MW	0.0033MVA	0.003MW
S5-GR3P4K	0.004MW	2400Var	2400Var	8.7A	6.3A	0	400V	5.8 A	0.004MW	0.0044MVA	0.004MW
S5-GR3P5K	0.005MW	3000Var	3000Var	10.7A	7.9A	0	400V	7.2 A	0.005MW	0.0055MVA	0.005MW
S5-GR3P6K	.006MW	3600W	3600W	52.4A	8.4A	0	400V	8.7A	.006MW	.0066MVA	.006MW
S5-GR3P10K	.010MW	6000W	6000W	52.3A	14.5A	0	400V	14.4A	.010MW	.011MVA	.010MW
S5-GR3P15K	.015MW	9000W	9000W	32.0A	24.0A	0	400V	21.7A	.015MW	.0165MVA	.015MW
S5-GR3P17K	0.017MW	10200Var	10200Var	36.9A	27.1A	0	400V	24.6 A	0.017MW	0.0187MVA	0.017MW
S5-GR3P20K	.020MW	12000W	12000W	43.0A	32.0A	0	400V	28.9A	.020MW	.022MVA	.020MW
Solis-25K	.025MW	15000W	15000W	54.0A	40.0A	0	400V	36.1A	.025MW	.0275MVA	.025MW
Solis-30K	.030MW	18000W	18000W	65.05A	47.0A	0	400V	43.3A	.030MW	.033MVA	.030MW
Solis-40K	.040MW	24000W	24000W	87.0A	63.0A	0	400V	58A	.040MW	.044MVA	.040MW
Solis-40K-HV	0.04MW	24000Var	24000Var	72.2A	52.8A	0	480V	48.1A	0.04MW	0.044MVA	0.04MW
Solis-50K	.050MW	30000W	30000W	108.0A	79.0A	0	400V	72.2A	.050MW	.055MVA	.050MW
Solis-60K-4G	.060MW	36000W	36000W	130.0A	95.0A	0	400V	86.6A	.060MW	.066MVA	.060MW
Solis-25K-5G	0.025MW	15000W	15000W	54.1A	40.1A	0	400V	36.1A	0.025MW	0.0275MVA	0.025MW
Solis-30K-5G	0.030MW	18000W	18000W	65.1A	47.1A	0	400V	43.3A	0.030MW	0.033MVA	0.030MW
Solis-33K-5G	0.033MW	19800W	19800W	71.6A	51.8A	0	400V	47.6A	0.033MW	0.0363MVA	0.033MW
Solis-36K-5G	0.036MW	21600W	21600W	78A	56.5A	0	400V	51.9A	0.036MW	0.0396MVA	0.036MW
Solis-40K-5G	0.04MW	24000W	24000W	86.7A	62.8A	0	400V	57.7A	0.04MW	0.044MVA	0.04MW
S5-GC25K	0.025MW	15000W	15000W	54.1A	40.1A	0	400V	36.1A	0.025MW	0.0275MVA	0.025MW
S5-GC30K	0.030MW	18000W	18000W	65.1A	47.1A	0	400V	43.3A	0.030MW	0.033MVA	0.030MW
S5-GC33K	0.033MW	19800W	19800W	71.6A	51.8A	0	400V	47.6A	0.033MW	0.0363MVA	0.033MW
S5-GC36K	0.036MW	21600W	21600W	78A	56.5A	0	400V	51.9A	0.036MW	0.0396MVA	0.036MW
S5-GC40K	0.04MW	24000W	24000W	86.7A	62.8A	0	400V	57.7A	0.04MW	0.044MVA	0.04MW
Solis-80K-5G	0.08MW	48000W	48000W	173.4A	126.8A	0	400V	115.5A	0.08MW	0.088MVA	0.08MW
Solis-100K-5G	0.10MW	60000W	60000W	216.3A	158.5A	0	400V	152A	0.10MW	0.110MVA	0.10MW
Solis-110K-5G	0.11MW	66000W	66000W	237.8A	174.5A	0	400V	167.1A	0.11MW	0.121MVA	0.11MW
Solis-125K-EHV-5G	0.125MW	75000Var	75000Var	180.0A	132.1A	0	600V	120.2A	0.125MW	0.125MVA	0.125MW
Solis-255K-EHV-5G	0.255MW	153000W	153000W	275.8A	201.1A	0	800V	186.4A	0.255MW	0.255MWA	0.255MW