

Datasheet EP100

Solar Pumping Inverter manual

Appendix A Rated voltage and current

Model	-SS2	-S2	-2	-4
AC input voltage (V)	220(-15%)~240(+10%) (1PH)		220(-15%)~240 (+10%) (3PH)	380(-15%)~440 (+10%) (3PH)
Max. DC voltage (V)	450	450	450	900
Start-up voltage (V)	200	200	200	300
Lowest working voltage (V)	150	150	150	250
Recommended DC input voltage range (V)	200~400	200~400	200~400	300~750
Recommended MPP voltage (V)	330	330	330	660

Series	Model	Rated output power (Kw)	Rated input current (A)	Rated output current (A)
-SS2 (0.4-7.5 Kw)	EP100-0R4G-SS2-PV	0.4	6.5	4.2
	EP100-0R7G-SS2-PV	0.75	9.3	7.2
	EP100-1R5G-SS2-PV	1.5	15.7	10.2
	EP100-2R2G-SS2-PV	2.2	24	14
	EP100-004G-SS2-PV	4.0	40	30
	EP100-5R5G-SS2-PV	5.5	51	42
	EP100-7R5G-SS2-PV	7.5	70	55
-S2 (0.4-2.2 kW)	EP100-0R4G-S2-PV	0.4	6.5	2.5
	EP100-0R7G-S2-PV	0.75	9.3	4.2
	EP100-1R5G-S2-PV	1.5	15.7	7.5
	EP100-2R2G-S2-PV	2.2	24	10
-2 (4-7.5kW)	EP100004G-2-PV	4	17	16
	EP10005R5G-2-PV	5.5	25	20
	EP10007R5G-2-PV	7.5	33	30
-4 (0.75-110kW)	EP1000R7G-4-PV	0.75	3.4	2.5
	EP1001R5G-4-PV	1.5	5.0	4.2
	EP1002R2G-4-PV	2.2	5.8	5.5
	EP100004G-4-PV	4.0	13.5	9.5
	EP10005R5G-4-PV	5.5	19.5	14
	EP10007R5G-4-PV	7.5	25	18.5
	EP100011G-4-PV	11	32	25
	EP100015G-4-PV	15	40	32
	EP100018G-4-PV	18.5	47	38
	EP100022G-4-PV	22	51	45
	EP100030G-4-PV	30	70	60
	EP100037G-4-PV	37	80	75

Appendix B Recommended solar modules

Inverter Model	Open-circuit voltage degree of solar module			
	37±1V		45±1V	
	Module power±5Wp	Modules per string * strings	Module power ±5Wp	Modules per string * strings
EP100-0R4G-SS2-PV	250	11*1	300	9*1
EP100-0R7G-SS2-PV	250	11*1	300	9*1
EP100-1R5G-SS2-PV	250	11*1	300	9*1
EP100-2R2G-SS2-PV	250	11*1	300	9*1
EP100-004G-SS2-PV	250	11*2	300	9*2
EP100-5R5G-SS2-PV	250	11*3	300	9*2
EP100-7R5G-SS2-PV	250	11*3	300	9*3
EP100-0R4G-S2-PV	250	11*1	300	9*1
EP100-0R7G-S2-PV	250	11*1	300	9*1
EP100-1R5G-S2-PV	250	11*1	300	9*1
EP100-2R2G-S2-PV	250	11*1	300	9*1
EP100-1R5G-2-PV	250	11*1	300	9*1
EP100-2R2G-2-PV	250	11*1	300	9*1
EP100-004G-2-PV	250	11*2	300	9*2
EP100-5R5G-2-PV	250	11*3	300	9*3
EP100-7R5G-2-PV	250	11*4	300	9*4
EP100-0R7G-4-PV	250	18*1	300	15*1
EP100-1R5G-4-PV	250	18*1	300	15*1
EP100-2R2G-4-PV	250	18*1	300	15*1
EP100-004G-4-PV	250	20*1	300	16*1
EP100-5R5G-4-PV	250	18*2	300	15*2
EP100-7R5G-4-PV	250	18*2	300	15*2
EP100-011G-4-PV	250	18*3	300	15*3
EP100-015G-4-PV	250	18*4	300	15*4
EP100-018G-4-PV	250	18*5	300	15*5
EP100-022G-4-PV	250	18*6	300	15*6
EP100-030G-4-PV	250	18*8	300	15*8
EP100-037G-4-PV	250	18*9	300	15*9