

Make	ABB PVI-3.0-TL-OUTD	ABB 3.6-TL-OUTD	ABB 4.2-TL-OUTD	Bosch BPT-S 3	Bosch BPT-S 3.68	Bosch BPT-S 4	Bosch BPT-S 4.6	Fronius IG TL 3.6	Fronius IG TL 4.0	Fronius IG TL 4.6	Fronius IG TL 5.0	Eversol TL 2000	Eversol TL 3000
Max DC power				3.2kW	3.9kW	4.2kW	4.8kW	3.85kW	4.19kW	4.82kW	5.25kW	3.08kW	4.48kW
Rated DC power input	3.12kW	3.75kW	4.375kW									2.2kW	3.2 kW
Max DC input voltage	600V	600V	600V	750V	750V	750V	750V					500V	500V
Nominal DC input voltage	360	360V	360V										
Max MPP DC voltage				600V	600V	600V	600V						
Max MPP DC input power													
MPP DC voltage range	160V - 530V	120V - 530V	140V - 530V	170V - 600V	170V - 600V	170V - 600V	170V - 600V	350V - 700V	350V - 700V	350V - 700V	350V - 700V	90V - 450V	90V - 450V
Max DC MPPT input current	10A	16A	16A					10.8A	11.8A	13.5A	14.7A	12A	18A
Max DC MPPT input power	2kW	3kW	3kW										
Min/Start DC input voltage	200V	200V	200V	125V/ 170V	125V/ 170V	125V/ 170V	125V/ 170V	350V	350V	350V	350V	80V	80V
Number of MPPTs	2x	2x	2x	1x	1x	2x	2x					1x	1x
Min MPP voltage				270V	330V	180V	180V						
AC voltage range	180V - 264V	180V - 264V	180V - 264V	184V - 265V	184V - 265V	184V - 265V	184V - 265V	180V - 270V	180V - 270V	180V - 270V	180V - 270V	180V - 280V	180V - 280V
Max AC output current	14.5 A	17.2 A	20A	13A	16A	17.4A	20A	16A	17.4A	20A	21.7A	11A	16A
AC Power rating	3kW	3.6kW	4.2kW	3kW	3.68kW	4.0kW	4.6kW	3.68kW	4kW	4.6kW	5kW	2kW	3kW
AC Power rating kVA													
Frequency range	47 - 53Hz	47 - 53Hz	47 - 53Hz	45 - 55Hz	45 - 55Hz	45 - 55Hz	45 - 55Hz					45-55Hz	45-55Hz
Power factor	0.9 lead- 0.9 lag	0.9 lead- 0.9 lag	0.9 lead- 0.9 lag	0.9 lead- 0.9 lag	0.9 lead- 0.9 lag	0.9 lead- 0.9 lag	0.9 lead- 0.9 lag	1	1	1	1	1	1
Distortion	<3.5%	<3.5%	<3.5%	<4.5%	<4.5%	<4.5%	<4.5%	<3 %	<3 %	<3 %	<3 %	<3 %	<3 %
Max efficiency	96.8%	96.8%	96.8%	97%	97%	97%	97%	97.7%	97.7%	97.7%	97.7%	97%	97%
EU efficiency	96%	96%	96%	96.2%	96.3%	96.5%	96.5%	97.2%	97.3%	97.3%	97.3%	96.5%	96.5%

All information in this table was sourced from manufacturers' sell sheets.



Make	Growatt 2000	Growatt 2500	Growatt 3000	JingFuYuan 2500 TL	JingFuYuan 3000TL	JingFuYuan 3600TL	JingFuYuan 5000TL	Latronics TG 4600	Latronics TG 5000	Orion SPG-360-2K0-1	SMA Sunny Boy 3000 TL	SMA Sunny Boy 4000 TL	SMA Sunny Boy 5000 TL
Max DC power	2.5kW	2.9kW	3.3kW	2.7kW	3.66kW	4.18kW	5.3kW	6.0kW	6.5kW		3.2kW	4.2kW	5.25kW
Rated DC power input													
Max DC input voltage	500V	500V	500V	500V	500V	500V	550V	125V - 500V	125V - 500V	500V	750V	750V	750V
Nominal DC input voltage											400V	400V	400V
Max MPP DC voltage													
Max MPP DC input power													
MPP DC voltage range	95V - 500V	95V - 500V	95V - 500V	100V - 450V	100V - 450V	100V - 450V	100V - 500V			150V - 450V	175V - 500V	175V - 500V	175V - 500V
Max DC MPPT input current	12A	12A	15A	14.5A	20A	20A	22.5A	15A	15A	10A	30A	30A	30A
Max DC MPPT input power													
Min/Start DC input voltage	120V	120V	120V							150V			
Number of MPPTs	1x	1x	1x	1x	1x	1x	1x	2x	2x	1x	2x	2x	2x
Min MPP voltage													
AC voltage range				190V - 265V	190V - 265V	190V - 265V	190V - 265V			240V	180V - 280V	180V - 280V	180V - 280V
Max AC output current	11A	11.4A	15A	12A	15.7A	16A	24A	20A	23A		16A	22A	22A
AC Power rating	2kW	2.5kW	2.85kW	2.5kW	3kW	3.6kW	5kW	4.6kW	4.95kW	2kW	3kW	4kW	4.6kW
AC Power rating kVA													
Frequency range	45 - 55Hz	45 - 55Hz	45 - 55Hz	45 - 55Hz	45 - 55Hz	45 - 55Hz	45 - 55Hz				45 - 55Hz	45 - 55Hz	45 - 55Hz
Power factor	1	1	1	>0.99	>0.99	>0.99	>0.99				0.8 lead-0.8 lag	0.8 lead-0.8 lag	0.8 lead-0.8 lag
Distortion	<3 %	<3 %	<3 %	<3 %	<3 %	<3 %	<3 %						
Max efficiency	97.3%	97.3%	97.3%	97.1%	97.2%	97.3%	97.4%	97.1%	97.1%	> 95%	97%	97%	97%
EU efficiency	96.5%	96.5%	96.5%	96.3%	96.4%	96.6%	96.8%	96.5%	96.5%		96%	96.4%	96.5%

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Make	Schneider RL 3000 E	Schneider RL 4000 E	Schneider RL 5000 E	SolarEdge SE3000	SolarEdge SE3500	SolarEdge SE4000	SolarEdge SE5000	Sunways NT2600	Sunways NT4000	Sunways NT5000	SolarRiver 3000 TL	SolarRiver 3300 TL	SolarRiver 4400 TL	SolarRiver 5200 TL
Max DC power	3.2kW	4.2kW	5.3kW	3.75kW	4.35kW	5kW	6.25kW				3kW	3.48kW	4.58kW	5.2kW
Rated DC power input								2.6kW	3.8kW	4.3kW				
Max DC input voltage	550V	550V	550V	500V	500V	500V	500V	850V	850V	850V	550V	550V	550V	550V
Nominal DC input voltage				350V	350V	350V	350V				380V	380V	380V	380V
Max MPP DC voltage														
Max MPP DC input power	3.2kW	3.2kW	3.5kW											
MPP DC voltage range	160V - 500V	180V - 500V	180V - 500V					350V - 750V	350V - 750V	350V - 750V	200V - 500V	200V - 500V	200V - 500V	200V - 500V
Max DC MPPT input current	10A	12A	18A	11.5A	13.5A	15.5A	19.5A	7.5A	11A	13A	13.5A	17.5A	21A	26A
Max DC MPPT input power														
Min/Start DC input voltage	100V	100V	100V								100V/150V	100V/150V	100V/150V	100V/150V
Number of MPPTs	2x	2x	2x					1x	1x	1x	1x	1x	1x	1x
Min MPP voltage														
AC voltage range	184V - 276V	184V - 276V	184V - 276V	184V - 268.5V	184V - 268.5V	184V - 268.5V	184V - 268.5V	184V - 265V	184V - 265V	184V - 265V	180V - 270V	180V - 270V	180V - 270V	180V - 270V
Max AC output current	13.9A	18.2A	23.2A	16.5A	19.5A	22A	27A	13.6A	16.1A	18.3A	13.8A	16A	22A	24A
AC Power rating								2.5kW	3.7kW	4.2kW	2.6kW	3kW	4kW	4.6kW
AC Power rating kVA	3kVA	4kVA	5kVA								2.8kVA	3.3kVA	4.4kVA	5kVA
Frequency range	45-55Hz	45-55Hz	45-55Hz	45-55Hz	45-55Hz	45-55Hz	45-55Hz				44-55Hz	44-55Hz	44-55Hz	44-55Hz
Power factor	0.8 lead-0.8 lag	0.8 lead-0.8 lag	0.8 lead-0.8 lag					1	1	1	1	1	1	1
Distortion	<3%	<3%	<3%					<3%	<3%	<3%				
Max efficiency	97.5%	97.5%	97.5%	97.6%	97.6%	97.6%	97.6%	97.4%	97.5%	97.5%	97%	97.4%	97.6%	97.6%
EU efficiency	97%	97%	97%	97.5%	97.5%	97.5%	97.5%	97.1%	97.1%	97.1%	96.3%	96.5%	97.1%	96.8%

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