








The Sustainable Way of Life.....

PV Solar Inverter

Technical Specifications






	PVI1500S	PVI2000S	PVI2800S	PVI4000S	PVI4000SA
					
Nominal DC	360VDC	360 VDC	360 VDC	360 VDC	360 VDC
Maximun PV open voltage	450VDC	450 VDC	500VDC	450 VDC	500VDC
MPPT Range	150 to 450 VDC	150 to 450 VDC	150 to 450 VDC	150 to 450 VDC	150 to 450 VDC
Working Range	120 to 450 VDC	120 to 450 VDC	120 to 450 VDC	100 to 450 VDC	100 to 450 VDC
Max DC Power	1760w	2320w	3180w	4630w	4630w
Max Input Curren	8.9 ADC	10 ADC	13 ADC	20 ADC	20 ADC
MPP Tracker	1	1	1	1	1
AC					
Nominal AC Output	1500W	2000W	2800W	4000W	4000W
Max. Power	1650W	2200W	3000W	4400W	4400W
Operate Voltage	196~253VA C	196~253VAC	196~253VAC	196~253VA C	196~253VA C
Operate Frequency	50/60 Hz, auto selection	50/60 Hz, auto selection	50/60 Hz, auto selection	50/60 Hz, auto selection	50/60 Hz, auto selection
Output THD	<3%	<3%	<3%	<3%	<3%
Power Factor	>0.99	>0.99	>0.99	1	1
System					
Max. Efficiency	>96%	>96%	0.96	0.96	0.95
European Efficiency	>94%	>94%	0.94	0.94	>93%
Communication	RS232(Standard),RS485 (Optional)	RS232(Standard),RS485 (Optional)	RS232(Standard),RS485 (Optional)	RS232(Standard),RS485 (Optional)	RS232(Standard),RS485 (Optional)
Protection Degree	IP65	IP43	IP43	IP43	IP43
Operating Temp.	-20~55℃	-20~55℃	-20~55℃	-20~55℃	-20~55℃
Acoustic Noise level	<35dBA	<35dBA	<35dBA	<35dBA	<40dBA
Cooling	Force air cooling, vanriable fan speed	Force air cooling, vanriable fan speed	Force air cooling, vanriable fan speed	Force air cooling, vanriable fan speed	Force air cooling, vanriable fan speed
Humidity	0~95%,	0~95%,	0~95%,	0~95%,	0~95%,
Stand-by Power	~7W	~7W	~7W	~7W	~7W
Safety	VDE	VDE	VDE	VDE	VDE
WxLxD(mm)	434x386x135	424x366x120	350x302x135	350x302x135	315x269x120
Weight(kg)	19.5	16.4	11.4	12.5	8.5



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	PVI4000L	PVI6000	PVI10000	PVIG22200	PVIG24400
					
Nominal DC	360 VDC	600 VDC	640 VDC	360VDC	360VDC
Maximun PV open voltage	450V	750 VDC	800 VDC	450 VDC	450 VDC
MPPT Range	250~450 VDC	125~700 VDC	300~800 VDC	150 to 450 VDC	150to 450 VDC
Working Range	100~450 VDC	100~750 VDC	200~800 VDC	140 to 475 VDC	140 to 475 VDC
Max DC Power	4630w	3800W per Tracker	5500W per Tracker		
Max Input Curren	19A	8.5 ADC per Tracker	13 ADC per Tracker	15 ADC	20 ADC
MPP Tracker	1	3	3		
AC					
Nominal AC Output	4000W	4600W	10000W	2000W	4000W
Max. Power	4400W	5100W	11000W	2200W	4400W
Operate Voltage	183~229V @208V 211~264V@240V	196~253 VAC	400V×3, 15% + 10%	192~242 VAC	192~242 VAC
Operate Frequency	60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Output THD	<3%	0.03	0.03		
Power Factor	>0.99	~1	~1	>0.99	>0.99
System					
Max. Efficiency	>96%	>96%	>97%	>96%	>96%
European Efficiency	>94.5%	>94.5%	>95%		
Communication	RS485 and others	RS232(Standard),RS485 (Optional)	RS232(Standard),RS485 (Optional)	RS232(Standard),TCP/IP (Optional)	RS232(Standard),TCP/IP (Optional)
Protection Degree	Housing: IP65	Housing: IP65	Housing: IP65		
Operating Temp.	-20~55℃	-20~55℃	-20~55℃	-20~40℃	-20~40℃
Acoustic Noise level	<45dBA	<35dBA	<40dBA	<40dBA	<40dBA
Cooling	Controlled forced ventilation	Force air cooling, vanriable fan speed	Force air cooling, vanriable fan speed	Convection	Convection
Humidity	0~95%,	0~95%,	0~95%,	0~95%,	0~95%,
Stand-by Power	~7W	~9W	~30W		
Safety	UL 1741				
WxLxD(mm)	453x395x155	430x530x130	584x455x155	360x465x150	360x465x150
Weight(kg)	<20	27	35	15	15