PSI Energy™



ON GRID INVERTER
P33V1

คุณสมบัติ

- กระแสไฟฟ้า PV สูงสุด 16A
- แรงดันไฟต่ำเพียง 70V ก็สามารถเริ่มทำงานได้
- รองรับกระแส DC ได้มากถึง 150%
- ฟังก์ชั่นป้องกันไฟฟ้าย้อนกลับ
- Type II SPD ทั้งระบบ DC และ AC

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TECHNICAL SPECIFICATION

MODEL	P33V1
PV Input Data	
Max. Recommended PV Power [Wp]	4950
Max. PV Input Voltage [V]	550
MPPT Voltage Range [V]	50 ~ 550
Rated Input Voltage M]	360
Start-up Voltage M]	70
No. of MPP Trackers	1
No. of Input Strings per Tracker	1
Max. PV Input Current [A]	16
Max. Short-circuit Current per MPPT [A]	20
AC Output Data	
Rated AC Power [W]	3300
Max. Output Power [VA]	3300
Max. AC Current [A]	15
Rated AC Voltage / Range V]	L / N / PE, 220/ 230; 160 ~ 290
Grid Frequency / Range [Hz]	50 / 60; ± 5
Adjustable Power Factor [cosφ]	0.8 leading ~ 0.8 lagging
Output THDi (@Rated Output)	< 3%
Power limit export	Zero export or adjustable power limit export
Efficiency	
Max. Efficiency	97.6%
Euro Efficiency	97.2%
Protection	
DC Insulation Monitioring	Integrated
Input Reverse Polaity Protection	Integrated
Anti-island Protection	Integrated
Residual Current Monitoring	Integrated
AC Overcurrent Protection	Integrated
DC surge Protection	Integrated (Type II)
AC Surge Protection	Integrated (Type II)
AFCI Protection	Optional
PID fuction	Optional
DC Switch	Optional
General Data	
Size (Width * Height * Depth) [mm]	290 x 220 x 119
Weight [kg]	5.5
User Interface	LED + OLED
Communication	RS485 and USB(Standard), WIFI or 4G (Optionfal)
Ambient Temperature Range [°C]	-30 - +60
Relative Humidity	0 - 100%
Operating Altitude [m]	≤ 2000
Standby Self Consumption [W]	< 1
Topology	transformerless
Cooling	Natural
Protection Grades	IP65
Noise [dB]	< 25
Warranty [years]	5
Certifications & Standards	
Grid Regulation	ORDINACE 140
Safety Regulation	IEC62109-1, IEC 620109-2
EMC	EN/IEC 61000-6-1,EN/IEC 61000-6-3