



Energy™



ON GRID INVERTER P100-3V1

คุณสมบัติ



กระแสไฟฟ้า PV สูงสุด 16A



มีระบบป้องกันความร้อนสูงเกิน



รองรับกระแส DC ได้มากถึง 150%



การอัปเดต firmware ระยะไกล



ระบบป้องกันไฟกระชาก SPD แบบ Type II
ทั้งระบบ DC และ AC

ON GRID INVERTER

P100-3V1



TECHNICAL SPECIFICATION

MODEL	P100-3V1
PV Input	
Max. Recommended PV Power [Wp]	15000
Max. PV Power for single MPPT [Wp]	7500
Max. PV Input Voltage [V]	1100
MPPT Voltage Range [V]	140~1000
Rated PV Input Voltage [V]	600
Start-up Voltage [V]	160
No. of MPP Trackers	2
No. of Input Strings per Tracker	1/1
Max. PV Input Current [A]	16/16
Max. Short-circuit Current [A]	20/20
AC Output Data	
Rated AC Output Power [W]	10000
Max. AC Output Apparent Power [VA]	11000
Max. AC Output Current [A]	16.7
Rated AC Voltage [V]	3 / N / PE, 220 / 380, 230 / 400
Grid Frequency [Hz]	50 / 60
Adjustable Power Factor [cosφ]	0.8 leading ~ 0.8 lagging
Output THDi (@Rated Output)	< 3%
Efficiency	
Max. Efficiency	98.5%
Euro Efficiency	98.0%
Protection	
DC Insulation Monitoring	Integrated
Input Reverse Polarity Protection	Integrated
Anti-island Protection	Integrated
Residual Current Monitoring	Integrated
AC Overcurrent Protection	Integrated
AC Short-circuit Protection	Integrated
String Current Monitoring	Integrated
DC Surge Protection	Integrated (Type II)
AC Surge Protection	Integrated (Type II)
DC Switch	Optional
General Data	
Size (Width x Height x Depth) [mm]	428 x 385 x 185
Weight [kg]	15
Display	LED + OLED
Communication	RS485,USB Update,Optional : WiFi, 4G, Ethernet
Ambient Temperature Range [°C]	-25 ~ +60
Relative Humidity	0 ~ 100%
Operating Altitude [m]	≤ 2000
Night Self-Consumption [W]	< 1
Topology	Transformerless
Cooling	Natural
Ingress Protection	IP65
Noise [dB]	< 35
Certifications & Standards	
Grid Regulation	NB/T 32004, ORDINANCE No.140, EN50549-1, EN50549-PL, IEC61727/IEC62116
Safety Regulation	EN 62919-1, EN 62619-2
EMC	EN IEC 61000-6-1, EN IEC 61000-6-2, EN IEC61000-6-3 EN IEC 61000-6-4