

PowerGen Pro 5kW

5kW



Model	PowerGen Pro 5kW
Rated Capacity	6250 VA / 5000 W
	PV Input
PV Maximum Input Power	9000 W
Max. PV Open Circuit Voltage	500 VDC
MPPT Range Operating Voltage	40 ~ 450 VDC
Max. Solar Input Current	28 A
	Battery Specifications
Battery Type	Lithium and Lead-acid
Nominal Battery voltage	24 V (2*12 V)
	AC Input
Nominal voltage	208 / 220 / 230 / 240; L + N + PE
Voltage Range	90 ~ 280 ±3 (normal mode); 170 ~ 280 ±3 (UPS mode)
Frequency	50 / 60 Hz (Auto Adaptive)
	AC Output
Rated Capacity	5kW@PV+Bat; 4kw@Bat
Surge Power	15000 VA
Waveform	Pure Sine Wave
Nominal Voltage	208 / 220 / 230 / 240 VAC
Feed-in Grid Voltage Range	195 ~ 253 VAC
Nominal Frequency	50 / 60 Hz
Feed-in Grid Frequency Range	49 ~ 51 Hz ±0.1% / 59 ~ 61 ±0.1%
Transfer Time	10 ms UPS mode 10 ms Appliance mode
Peak Efficiency (PV to INV)	96.00%
Peak Efficiency (Battery to INV)	92.50%
Overload Protection	1min@102%< Load ≤110% 10s@110%<Load ≤130% 3s@130%<Load ≤150% 200ms@Load>150%
Admissible Power Factor	-0.8~+0.8
	Charger Specifications (Solar Charger & AC Charger)
Charging Voltage	FV MODE: 27 V settable: 26.6~27.8 V CV MODE: 28.2 V settable: 28~29 V
Battery Over Voltage	30.5 V
Charging Current	2 ~ 160 A
Max.AC Charge Current	160 A
Max PV Charge Current	160 A
Max. Charge Current (PV+AC)	160 A
	Physical
Built-in Transfer	Yes
Built-in Power Booster	Yes
Dimensions, D × W × H (mm)	394 × 326 × 110
Net Weight (Kg)	10
Communication Interface	RS485 / RS232 / USB / Dry Contact
	Environment
Ingress Protection	IP21
Warranty	5 years (2 years free 3 years service)
Operating Temperature Range	-10 °C ~ 50 °C
Storage Temperature	-15 °C ~ 60 °C
Humidity	5% ~ 95% (Non-condensing)