

Off grid single phase solar inverter Sinexcel 5KW Inc mpp

Single Phase Off-grid Hybrid Inverter



Dual-channel MPPT
High PV utilization



DC overmatching 1.5 times
Improve the
overall system income



6 parallel capacity expansion
Better compatibility



Compatible with
lithium/lead-acid battery,
More flexible configuration

Typical Configuration



Off-grid Datasheet

Off-grid Output

Max. Output Power	5kVA
Nominal Output Voltage	220Vac
Output Voltage Range	220Vac $\pm$ 10%
Nominal Output Current	22.7A
Peak Power & Duration	8kVA(10s)

Grid Parameter

Max. AC Input Current	60A
Norminal AC Voltage	220Vac
AC Voltage Range	176-264V
Nominal AC Frequency	50/60Hz
THDi	<3%

Battery Parameter

Battery Type	Lithium-ion/Lead-Acid
Nominal Battery Voltage	48V/51.2V
Battery Voltage Range	42-58V
Max. Charging Voltage	58V
Charging Curve	3 stages
Max. Charging Current	100A
Max. Discharging Current	100A

PV Input

Max. DC Input Power	8000W
Starting Voltage	120V
Input Voltage Range	100-500V
MPPT Voltage Range	100-500V
Full Load MPPT/ Voltage Range	350-450V
Numbers of MPPT	2
Max. Input String Per MPPT	1
Nominal Input Voltage	360V
Max. DC Input Current	13A/13A
Max. Short-circuit Current	18A/18A

Efficiency

European Efficiency	97.3%
Max. Efficiency	97.5%
Max. Battery Charging/ Discharging Efficiency	94.00%

General Data

Size(W*H*D)	360mm*470mm*114mm
Weight	14kg
Noise	<45dB(A)
Operating Temperature Range	-25°C~60°C (>45°C power-down)
Cooling Method	Air cooling
Parallel Units	6
Ingress Protection Grade	IP20
Monitoring	LCD/LED/APP/WIFI/Bluetooth
Communication Port	CAN+RS485
Protection	Reverse Polarity Protection; Over Current/Voltage Protection; AC Short-circuit Protection; PV Ground Fault Monitoring; Over Temperature Protection

Certification

CE_LVD	EN 62109-2:2011 EN 62109-1:2010
CE EMC	EN61000-6-1, EN61000-6-2

