

PowerGiant



Energy Storage Inverter PG-IN5K

Version 1.0

PowerGiant Technology Corporation reserves the right of final interpretation (2024)

Specification

DC Input	Max. Power	7.5kW
	Start-up Voltage	100V
	Max. Voltage	550V
	MPPT Voltage Range/Rated Voltage	80~500V / 360V
	PV/Isc	24A / 24A
	Max. Input Current of Each Component	16A / 16A
	No. of MPPT	2
	No. of Strings Per MPPT Tracker	1/1
AC Output	Rated Output Power	5kVA / 5kW
	Max. Output Power	5kVA
	Max. Output Current	21.7A
	Grid Voltage/Range	230Vac / 176~270Vac
	Rate Grid Frequency	50/60Hz
	Power Factor	1 (0.8 led~0.8 lag)
	THDi	<3%
	AC Grid Type	L+N+PE
Battery	Battery Voltage Range	40~58V
	Max. Charging Voltage	58V
	Max. Charge/Discharge Current	100A / 100A
	Communication Interface	CAN / 485
Emergency Power Output	Rated Power	5kVA / 5kW
	Rated Output Voltage	230Vac
	Rated Output Current	21.7A
	Rated Output Frequency	50/60Hz
	Automatic Switchover Time	≤10ms
	THDu	<2%
General Data	Battery Chage/Dischage Efficiency	96%
	Max. Efficiency	97.2%
	Europe Efficiency	97%
	Mppt Efficiency	99.9%
	Ingress Protection	IP65
	Noise Emission	<35dB
	Operation Temperature	-25°C~60°C
	Cooling	Natural
	Relative Humidity	0 ~95% (Non-condensing)

	Operating Altitude	2000m (>2000 Derating)
	Dimensions W×D×H	455×215×385mm
	Net Weight	20.7kg
	Isolation Transformer	/
	Standby Loss	<15W
Display and Communication	Display	/
	Communication Interface RS485/Wi-Fi/GPRS/CAN/DRM	Yes/Opt/Opt/Yes/Yes