

Whispr-7

Power⁺

PowerPlus Energy's new all-in-one solution, the Whispr-7, combines a premium CATL cell-pack with a unique silent inverter and multiple options for power input and output in an IP65 rated case.

- Single Phase System
- Stackable, Quick Installation
- Reliable Backup
- VPP Ready

AC Inputs

AC Input Voltage	180V - 250V
AC Input Nominal Line Frequency	45 - 55Hz
Switching Time (On Grid - Backup)	< 20ms
Nominal Current	30.5A
Generator Control & Input	Yes

PV

Max. PV Input Current	16A / 16A / 16A
Max. PV Input Voltage	550V
Max. PV Power	200%
MPPT Voltage range	120V - 500V
No. of Independent MPPT Inputs	3
MPPT Power Rating	3kW / 3kW / 3kW
DC Short-Circuit Current	20A / 20A / 20A
Max. PV Isc	23A / 23A / 23A
PV Input Start-Up Voltage	120V

AC Output

Nominal Grid Voltage	180V - 250V
Nominal Current	30.5A
Grid Frequency Range	45 - 55Hz
Nominal Output Power	7kW
Nominal Backup Power 7kW	7kW
Nominal Generator Power	7kW
Total Harmonic Distortion (THD)	< 5%
Power Factor Nominal Range	0.8 leading to 0.8 lagging

Battery

Capacity	13.37kWh
Recommended Depth of Discharge (DOD)	95%
Usable Capacity	100%
Battery Life	> 5000 Cycles @ 70% End of Life
Min / Max Voltage (DC)	320 - 460.8V



Nominal Voltage (DC)	409.6V
Max. Charge / Discharge	32A
Battery Chemistry	LFP
Max. Efficiency	98%

General

Part Number	RX-7013Plus
Internal On-Grid / Backup Switching	Yes
Surge protection	Type 3
Communication	Modbus/Ethernet/RS485/Wifi/4G/GPRS
External Communication Port	RS485
Status Indicator Display	Yes
VPP-Ready/Remote Control	Yes
Total Weight	174kg
Individual Battery Weight	43kg
Dimensions (H x W x D)	1689mm x 764mm x 210mm

Environmental / Operational Range

Ingress Rating

IP65

Operating Temperature Range	-20°C - 55°C
Altitude	≤ 3000m
Cooling	Natural cooling
Relative Humidity	5 - 95%

Certification, Safety, EMC & Warranty

System Standard

IEC62619, IEC62040, IEC62109-1/2

Grid Connection Standard	AS4777.2 + CSIP-AUS
EMC Standard	IEC 61000-6-1/3
Warranty	5 + 5 years

Specifications correct at time of publication and are subject to change. Refer to website for latest information.