

Whispr-7

PowerPlus

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
Max. PV Input Voltage	550V
MPPT Voltage range	120V - 500V
No. of Independent MPPT Inputs	3
Max. DC Short-Circuit Current	20A / 20A / 20A
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
Recommened 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%

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



General

Internal On-Grid / Backup Switching	Yes
Surge protection	Type 2/3 depending on internal rating
Communication	Modbus/Ethernet/RS485/Wifi/4G/GPRS
External Communication Port	RS485
Status Indicator Display	Yes
Embedded Software Package (Optional)	VPP & Peak shaving
VPP-Ready/Remote Control	Yes
Total Weight	174kg
Individual Cell 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