

purple cube

Technical Specifications



The Purple Range

THE FUTURE IS PURPLE

purple cube



Easy, Fast Set-Up

- Compact design for freight and storage
- Deep Sea control system
- Outlet kit for plug and play operation

Reduced Carbon And Cost

- Up to 85% reduction in generator run time
- Up to 90% reduction in emissions
- Latest inverter-battery technology
- 50% + Fuel cost reduction

Smart

- Use 40% smaller generator in hybrid applications
- Silent operation
- Modular parallel capable
- Plug and play connection

You're In Control

- Remote monitoring
- Detailed diagnostics
- Programmable gen/inverter run time

PC 50-100 Specs

Rated Output @ 25°C	50kW
Rated Output Voltage	400V@50Hz,3ph.
Battery Storage Capacity	100.35kWh

Loading Dimension(LxWxH)	2250 x 1130 x 2250mm
Weight	2100kg
Operating Temperature	-20 to 50
Max Altitude	3000m(> 2000m derating)



PC 50-100

Battery Specs

Cell Type	LFP(LiFePO4)
Pack Model	MF51280
Pack Capacity	14.336kWh
Battery Voltage of Rack	358.4VDC

Pack Rated Voltage	51.2VDC
Cyclic 140A(0.5C)Life	6000(0.5C@90%DOD)
Charger/Discharge Current	140A(0.5C)
Connection of Rack	7S1P

PCS Specs

Battery Voltage Range	358.4VDC
Max. Current (AC)	79.4A
Max. Output Power	55kW
Rated Output Power	50kW
Rated Voltage	400Vac

AC Input Voltage Range	340~460Vac
Rated Frequency Range	50/60Hz
PF	1 lagging - 1 leading
AC Connection	3W+N+PE
Max. Efficiency	97.3%
Transformer	N/A

Grid-tied Certificates	EN50549, AS4777.2, VDE4105, G99, IEEE1547, NB/T 32004
Safety Certificates	IEC62109, NB/T 32004, UL1741
EMC Certificates	IEC61000, NB/T 32004

Cooling System Specs

Cooling type	HVAC	Operation Mode	Refrigeration and heating
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Fire Protection Specs

Fire Protection Type	Aerosol Fire Suppression
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EMS Specs

Display and Monitor	Local screen/APP/Web
Function	Energy management and coordinated control of energy storage system