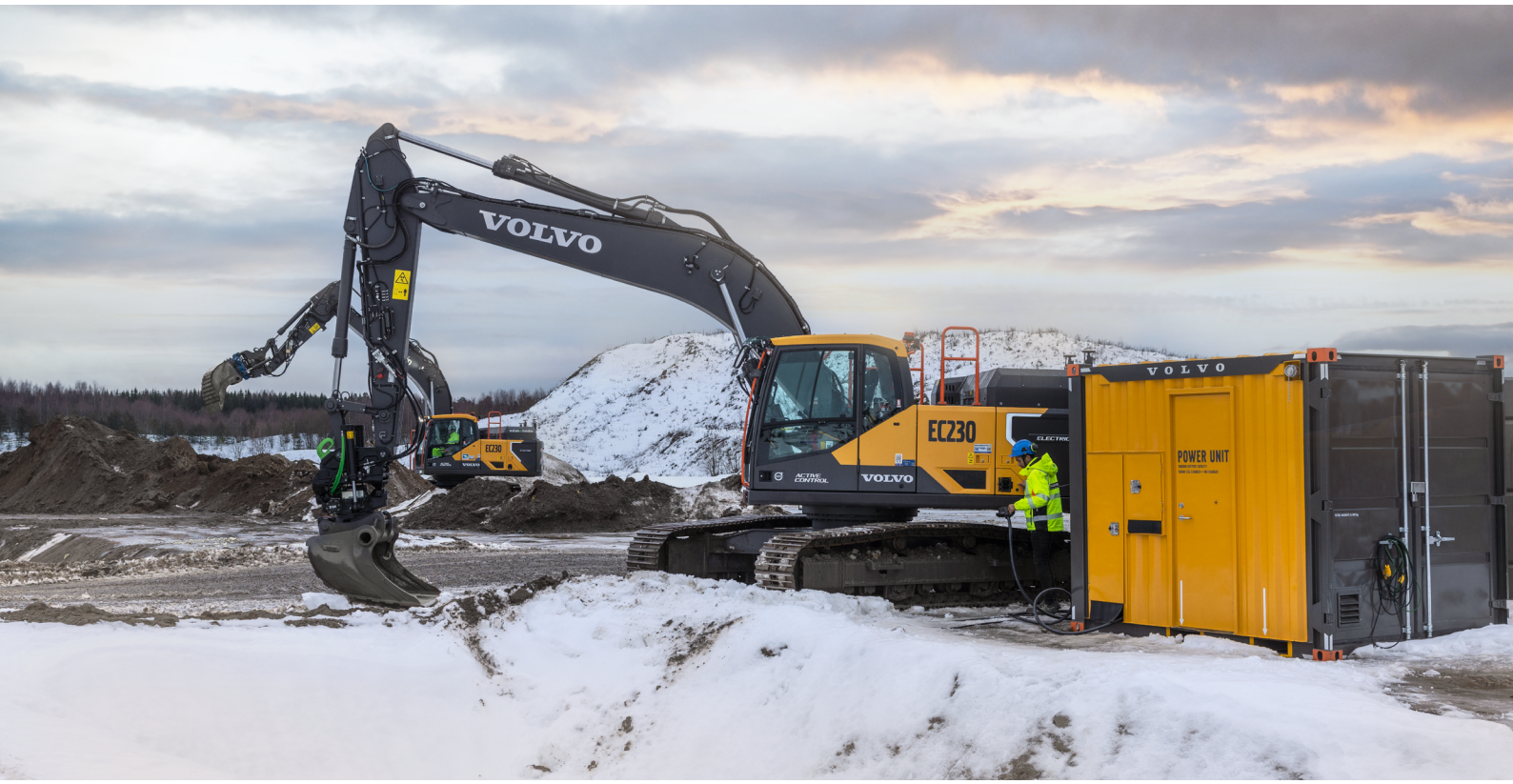
VOLVO

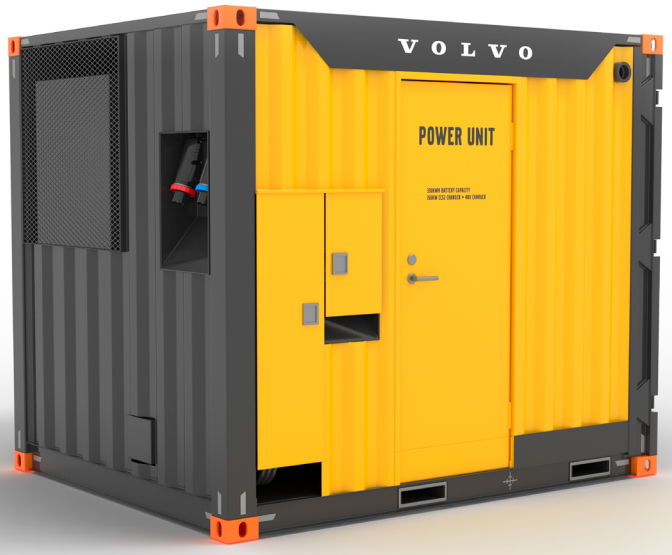
POWER UNIT

VOLVO PU500



Your mobile power unit

The Power Unit brings power to sites with weak or no local grid, increasing up-time and flexibility. When there is no grid at the site, the Power Unit can be moved for charging where available. PU500 has ~330-400 kWh of capacity and can be configured with new or second life battery packs depending on your needs. It is powerful enough for charging larger 600 V electric equipment and trucks, keeping your site running.



VOLVO PU500

Ref. No 20063192_A / English-21 / 2024.05 / CEG / Volvo, Global Marketing

Alongside our expanding electric product range, we are continuously developing and trying out sustainable, efficient, and market-adapted charging solutions. The Volvo Power Unit is the next step in building a future portfolio of charging solutions and developed to enable power to sites with weak or no local grid.

What is the PU500?

The Power Unit is a battery energy storage system with integrated 240 kW DC fast charger. It is powerful enough for charging larger 600 V electric construction equipment and trucks, keeping your site running.

What is the capacity of PU500?

PU500 has a ~330-400 kWh battery capacity depending on if second life or new batteries are used. When fully charged, it can charge an EC230 electric excavator in approximately 1.5 hours before it needs to be recharged.

What are the measurements of PU500?

The dimensions are 300 x 250 x 260 cm. The PU500 weighs 7 000 kg .

Main benefit of the PU500

The PU500 can enable power to sites with weak or no local grid. For sites with a weak grid, the main benefit is the possibility to charge the batteries in the unit with low power, and fast charge the machines from the unit when needed. When there is no grid at the site, the Power Unit can be transported to enable electricity and charging where needed.

Why do I need the PU500?

Use PU500 when the available grid is not powerful enough to support high power DC charging with a stationary DC charger. The batteries in PU500 will enable up to 240 kW charging when being connected to a low power grid connection.
Or, bring the charging station to the machine, instead of the machine to the charging station. The PU500 can provide DC charging in locations where no grid is available.

Specifications

Main specifications	Metric	Imperial
Power input AC	13, 26, 50 kW	
Voltage input AC (50 Hz)	400 / 230 V	
Total storage capacity	396 kWh	
Power output DC	240 kW	
Power output DC (VCE 48 V Protocol) optional	17 kW	
AC output outlets	32A 3-phase CEE 16A 1-phase CEE 16A 1-phase Schuko	
Charging time from ”10 %”	6-7 hours	
Dimensions (Length)	3 000 mm	118 in
Dimensions (Width)	2 500 mm	98.4 in
Dimensions (Height)	2 600 mm	102 in
Weight	7 000 kg	15 432 lb
Protection degree IP	IP54	
Operating temperature (Min.)	-25°C	-13°F
Operating temperature (Max.)	40°C	113°F
Connector Type	CCS2	
Battery Type	Lithium-ion NMC	
Power unit type	Portable	

RESERVE YOUR INTEREST

Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice.

VOLVO