

V O L V O

POWER UNIT
VOLVO PU500



Flexible and reliable mobile power

The Volvo PU500 mobile charging unit is the perfect solution to power the electrification of your operations in areas with weak grid capacity or no grid access. The easily transportable unit features an increased capacity of 540 kWh of stored energy and with an integrated 240 kW DC charger, the unit enables fast charging of electric machines, trucks and cars. Tools and other electric equipment can also be powered via multiple three-phase or one-phase outputs.



VOLVO PU500

Power without grid access

The PU500 enables machine fast charging where no grid access is available and also features the addition of a 63A socket and upgraded power output for higher-power equipment.

Smart energy cost management

The PU500 creates the opportunity to charge the unit during off-peak hours, allowing the unit to be utilized to charge electric machines during costlier peak times.

Easy to transport

With fork holes on two sides of the unit, transportation is easy – without the need for long forks – ensuring you get on-site power where you need it most.

Smart and connected

Monitor and control the PU500 remotely via a mobile app. Functionality will be built in CareTrack for enhanced fleet management of your PU500 and operators can easily see basic information on their PU500 using the My Equipment App.

A flexible power solution

When connected to the grid, the PU500 will provide the necessary power to provide fast charging to your machines and vehicles, even when grid infrastructure is not equipped to do so. This removes the need to upgrade grid infrastructure as being a barrier to the electrification of your operations.

Safe and robust

Designed with in-house developed battery packs and fire and gas detection, improved gas evacuation and secure remote monitoring for maximum safety.

Intelligent design

The design features flat sides, doors with Volvo CE key-enabled locks and improved cable management for the CCS2 charger. LED lights enhance visibility for the AC inlet, DC cables and the area in front of the unit. Red and green status lights on all four sides ensure visibility of the status of the unit from a distance. All controls are placed outside, eliminating the need to enter unless for inspection or service.

Specifications

Main Specifications	Metric	Imperial
Dimensions:	3 000 x 2 500 x 2 600 mm (10 ft ISO container)	118 x 98.4 x 102.4 in
Weight:	7 600 kg	16,755 lb
Operating temperature:	-25°C / +40°C	8.6 °F / 104°F
Total battery Capacity:	540 kWh battery (6 x 90 kWh battery packs Cube)	
AC input:	Up to 86 kW, 32-125 A, 400 V (3-phase, 50 Hz), CEE connector	
AC output:	63 A CEE 3-ph, 32 A CEE 3-ph, 16 A 1-ph CEE, 2x16 A 1-ph Schuko	
DC charger output:	1x 240 kW, CCS2, 1x 17 kW for Volvo Compact machines	
Cooling:	Fluid circulation	
Compliance:	CE, UN 3536, IEC 62619	



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.