

V O L V O

POWER UNIT

VOLVO PU40



PU40 VOLVO POWER UNIT

Volvo PU40 is a mobile Power Unit suitable to fast charge compact machines while off the grid. It can be used in the same way as a power bank for mobile phones, i.e. you charge PU40 from the grid where possible and use it to charge machines when there is no grid power available. The PU40 is small and easy to move so you can take it to wherever your machine is located. Thanks to 230 V sockets, it can also provide energy to other electrical equipment at your job-site.



VOLVO PU40

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 PU40?

The Power Unit is a mobile battery energy storage system with integrated 17 kW DC fast charger. It is suitable for charging compact machines.

What is the storage capacity of PU40?

PU40 has a battery capacity of 40 kWh. When fully charged, it can fast charge a compact wheel loader one time or a compact excavator two times before it needs to be re-charged.

Which electric machines can the PU40 charge?

PU40 is made to primarily fast charge Volvo compact machines but it can slowly charge non-Volvo machines with the AC outlets.

Main benefit of the PU40

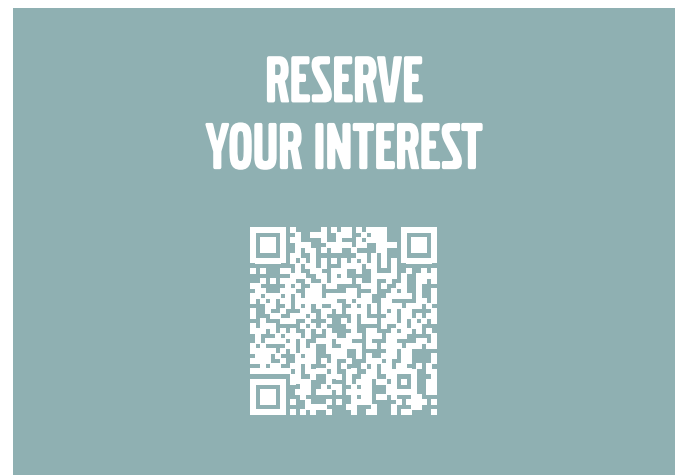
The PU40 can enable power to sites with weak or no local grid. For sites with a weak grid, the main benefit is the possibility to charge the battery in the unit with low power, and fast charge the machines from the unit when needed. When there is no grid at the site, the Power Unit can be transported to enable electricity and charging where needed.

Why do I need the PU40?

There are situations when it is more feasible to bring the charging station to the machine instead of the machine to the charging station, increasing up-time and allow for more flexibility for you.

Specifications

Main specifications	Metric	Imperial
Power input DC (VCE Protocol)	17 kW	
Voltage input DC (VCE Protocol)	48 V	
Power input AC	6 kW	
Voltage input AC (50 Hz)	400 / 230 V	
Total storage capacity	40 kWh	
Power output DC (VCE Protocol)	17 kW	
Power output AC	3 kW	
AC outlet	2 x 13 A	
Charging time from "10 %"	2 h	
Dimensions (Length)	1 287 mm	50.6 in
Dimensions (Width)	922 mm	36.2 in
Dimensions (Height)	1 168 mm	45.9 in
Weight	900 kg	2 000 lb
Protection degree IP	IP54	
Operating temperature (Min.)	-10°C	-14 F
Operating temperature (Max.)	+40°C	+104 F
Connector Type	Type 2	
Charging protocol	VCE48V	
Battery Type	Lithium-ion NMC	
Power unit type	Portable	



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.