



Shenzhen Polinovel Tech Co., Ltd

100KWH

Mobile Battery Energy Storage System Design Reference



MBS100

Cost Reference & Important Notes

100kwh cost reference: 26200~29500US\$

Important Notes:

1. This design is only for reference, and the customer's technical configuration is subject to final communication;
2. For preliminary design and quotation, please help provide the following key information:
 - 2.1. What is the total power of the load and what device is included (Inductive load devices: e.g. motors, air conditioners, etc. Resistive load device: e.g. electric water heaters, rice cookers, etc.)?
 - 2.2. What to use to charge the battery (e.g. the pv solar, diesel generator, or state grid etc.) and What is the charging standard (e.g. 3-phase, 380v)? What is the output standard for the battery you want (e.g. single-phase, 220v)?
 - 2.3. We appreciate it, if you could provide more information about your esteemed company.
 - 2.4. More project information, the more detailed it is, the better we can give you the most appropriate design plan.

After you provide the above information, we can proceed with preliminary technical design and quotation. We do not intend to create barriers to collaboration. On the contrary, we place a strong emphasis on collaboration, so project evaluations are taken seriously. We hope to get your understanding and cooperation. After we confirm all the technical details and sign the contract, our company will make a formal design document and send it to you for confirmation before starting production.

Product Introduction

It is used for emergency power supply, temporary outdoor power supply, power supply for industrial and commercial users, temporary power supply in important places, etc. It can be installed on vehicles to achieve fast mobile power supply.



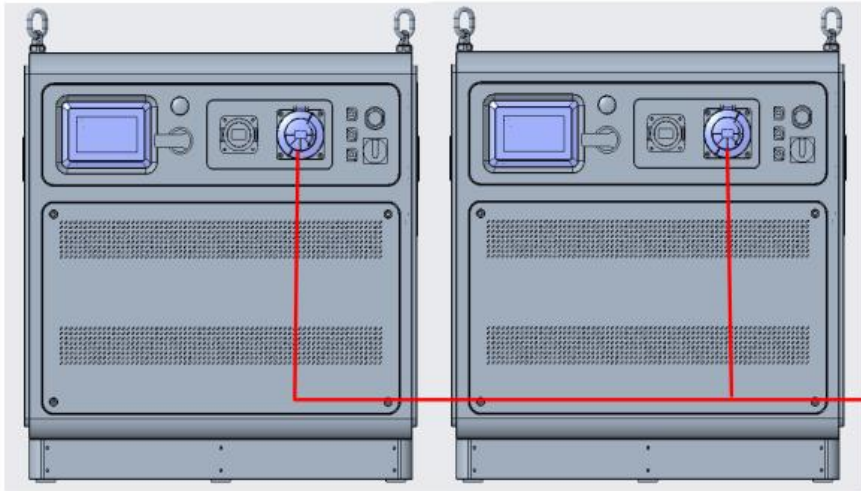
Equipment Configuration List

Item	Description	Quantity
Cabinet	/	1 unit
EMS	/	1 set
High voltage unit	/	1 unit
PCS	50kw	1 unit
Fire extinguishing unit	/	1 set
DC/DC unit	40kw	2 units
Cables	High-voltage and low-voltage cables	1 set

Battery Parameter

Name	Item	Specification
Cell	Rated capacity	130ah
	Rated voltage	3.2v
	Voltage range	2.5-3.65v
	Cell quantity	240pcs
Module	Cell series and parallel connection	1P30S
	Rated voltage	96v
	Voltage range	75-109.5v
	Module quantity	8
Cabinet	Cell series and parallel connection	1P240S
	Rated voltage	768v
	Voltage range	600-876v
	Energy storage	99.84kwh

Support Multiple Units in Parallel For Capacity Expansion



System Parameter

Item	Specification
DC voltage range	600-876v
Output voltage	380vac
Rated power	50kw
PCS	50kw
Rated energy	99.84kwh
Size (L*W*H)	1220*1045*1000mm
Weight	Around 940kg



Shenzhen Polinovel Tech Co., Ltd
Building 3, Vanke Timemark, 85
Longcheng Ave, Longgang Dist,
Shenzhen, China

Tel: +86 (0) 755 2890 6569
Fax: +86 (0) 755 2890 3442
E-Mail: sales@polinovel.com
Website: www.polinovel.com
www.polinovelgroup.com
www.polinovelbattery.com

