

TECHNICAL DATA SHEET

TPS-E

TESVOLT
Free to go green.

TESVOLT TS HV 90 TECHNICAL DATA

C-rate	1C
Cell	Lithium NMC prismatic (Samsung SDI)
Cell balancing	DynamiX Battery Optimizer
Cycles expected at 100% DoD 70% EoL 23°C ± 5°C 1C/1C	6,000
Cycles expected at 100% DoD 70% EoL 23°C ± 5°C 0.5C/0.5C	8,000
Cycle efficiency (battery)	up to 98%
Operating voltage	up to 1,300 V DC
Communication interface	CAN 2.0, Modbus TCP/IP
Certificates/standards (currently in preparation)	Cell IEC 62619, UL 1642, UN 38.3
	Product CE, UN 38.3, IEC 62619, IEC 61000-6-2/4/7, BattG 2006/66/EC
Guarantee	10-year performance guarantee, 5-year system guarantee
Recycling	TESVOLT offers a free take-back scheme for batteries from Germany
Protection class	IP 20
Battery specification as per DIN EN 62620:2015	INP46/175/127/[1P22S]M/-20+60/90

CONTAINER SYSTEM

Size	20 ft	40 ft	45 ft
Dimensions (L x W x H)	6.06 x 2.44 x 2.90 m	12.12 x 2.44 x 2.90 m	13.72 x 2.44 x 2.90 m
Energy (max.)	1.9 MWh	4.2 MWh	4.6 MWh
Number of storage systems	up to 19	up to 42	up to 48
External operating temperature range	-20°C to 45°C		
Altitude of installation site	< 2,000 m above sea level (other specifications on request)		
Protection class	IP 54		
Special equipment (optional)	Fire extinguisher, CSC certification, available in all RAL colours, greater operating temperature range, corrosion protection to C4		

TESVOLT AG

Am Heideberg 31 | 06886 Lutherstadt Wittenberg
Germany
Phone +49 (0) 3491 8797 100
info@tesvolt.com | www.tesvolt.com



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This data sheet is strictly informational and is not legally binding. The exact specifications and/or product features (particularly in case of further development of the product) may differ somewhat from the information provided here. Subject to errors and changes. Please read the safety and installation instructions carefully and completely before using the product. In case of purchase, the currently valid guarantee policies and the general terms and conditions of delivery and business of TESVOLT AG apply.