

TESVOLT TS HV 70/14-10 TECHNICAL DATA

Energy	67 kWh	
C-rate	1C	
Cell	Lithium NMC prismatic (Samsung SDI)	
Max. charging/discharging current	94 A	
Max. current	100 ADC	
Rated capacity	94 Ah	
Fault current	300 mA	
Cell balancing	Active Battery Optimizer	
Depth of Discharge (DoD)	100 %	
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 0.5 C/0.5 C	8,000	
Efficiency (battery)	Up to 98%	
Self-consumption (standby)	5 W	
Nominal voltage	721 VDC	
Operating voltage	627 to 814 V _{dc}	
Recommended charging method	CC CV	
Over voltage category OVC	OVC II	
Operating temperature	-10 to 50 °C	
Transport temperature (module)	- 20 °C - 50 °C	
Humidity	0 to 85% (non-condensing)	
Max. altitude of the installation location	2,000 m above sea level	
Total weight	742 kg	
	Weight per battery module	36 kg
	Weight per cabinet	120 kg
Dimensions (H x W x D)	1,900 x 1,200 x 600 mm	
Certificates/standards	Cell	IEC 62619, UL 1642, UN 38.3
	Product	CE, UN 38.3, IEC 62619, IEC 61000-6-1/2/3/4, German Battery Act 2006/66/EC
Guarantee	10-year performance guarantee, 5-year system guarantee	
Recycling	TESVOLT provides a free battery take-back scheme in Germany	
Protection class	IP 20	
Protective class	I	
Pollution degree	PD2	
Battery specification as per DIN EN 62620:2015	IMP47/175/127/[14S]E/-20+60/90	