

SMA SUNNY TRIPower STORAGE 60

TESVOLT TS HV 70 storage systems are optimised for use with 3-phase SMA Sunny Tripower Storage 60 battery inverters, and as a system it is perfectly adapted for use in commercial applications and the industry. It can be used to realise storage solutions up to the megawatt range. A wide range of very different grid system services can be provided thanks to the energy

management system integrated in the Inverter Manager and the high C-rate of the *TESVOLT TS HV 70 storage systems*. At the same time, the system opens up new economic perspectives – investment costs are considerably lower than for conventional storage systems. *TESVOLT TS HV 70 storage systems* are among the most durable products on the market.

Technical specifications SMA STPS 60

nominal charging power (AC)	60 kVA
nominal discharge power (AC)	75 kVA
DC voltage range	575 to 1000 V
Dimensions (H x W x D)	740 x 570 x 306 mm
Max. efficiency (Standby)	98.8%
Internal consumption	< 3W
Operating temperature	-25 to 60°C
Weight	77 kg
Protection class	IP 65 NEMA 3R
Communication	Modbus TCP/IP
Topology	transformerless
Warranty	5 years



SMA Sunny Tripower Storage 60 with SMA Inverter Manager

Technical specifications TESVOLT TS HV 70

Energy (14 16 battery modules)	67 kWh 76 kWh
C rate	1C
Cells	Lithium NMC prismatic (Samsung SDI)
Max. charging, discharging current	94 A
Cell balancing	Active Battery Optimizer
Cycles @ 100% DoD 70% EoL 23°C +/-5°C 1C/1C	6 000
Cycles @ 100% DoD 70% EoL 23°C +/-5°C 0.5C/0.5C	8 000
Efficiency (battery)	up to 98 %
Selfconsumption (standby)	5 Watt (without battery inverter)
Operating voltage	666 to 930 V DC
Operating temperature	-10 to 50 °C
Humidity	0 to 85 % (non-condensing)
Altitude of installation site	<2000 m above sea level
Weight (14 16 battery modules, 2 racks)	742 kg 823 kg
Weight per battery modul Weight per rack	36 kg 120 kg
Dimensions (H x W x D)	1900x1200x600 mm
Certificates/norms Cells:	IEC 62619, UL 1642, UN 38.3
Product:	CE, UN 38.3, IEC 62619, IEC 61000-6-1/2/3/4, BattG 2006/66/EG
Warranty	10-year capacity guarantee, 5-year system guarantee
Recycling	TESVOLT offers free return of batteries from Germany
Protection class	IP 20

Your certified TESVOLT partner

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