

## 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 930V 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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