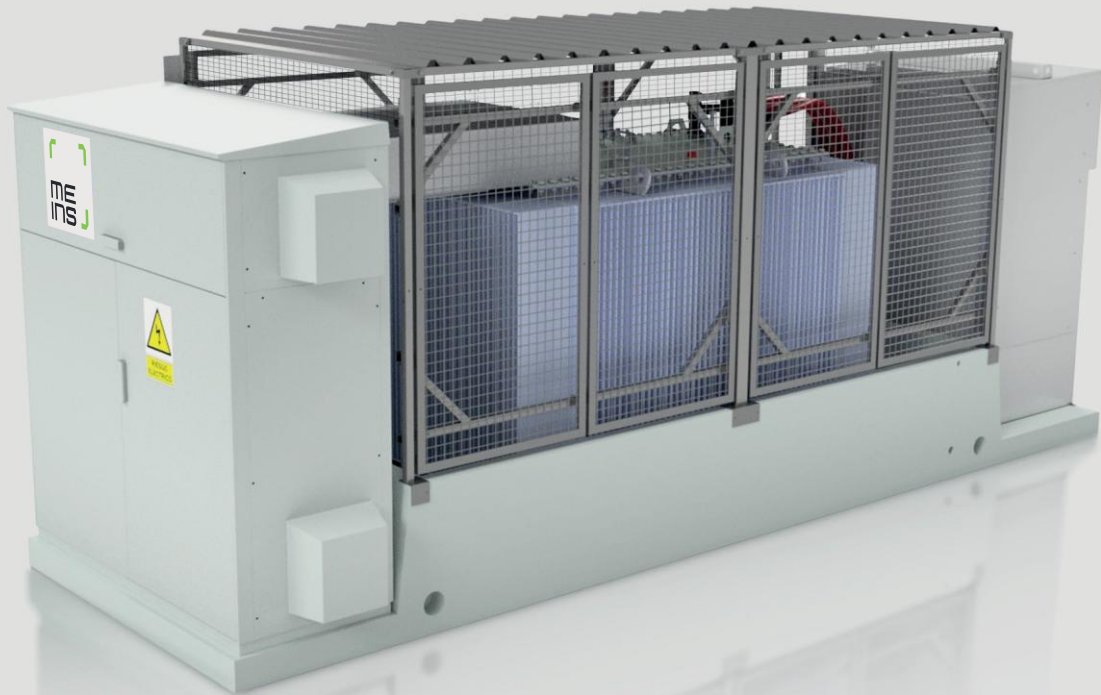


SPS - S - 9600

Solar Power Station - String
Full Outdoor



MEINS



Custom design based on
customer requirements



Oil collection
tank included



Made in Europe



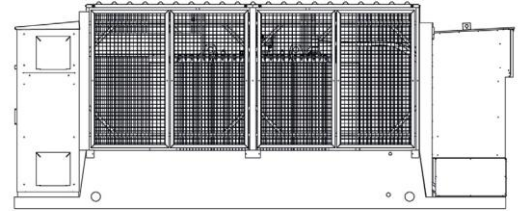
Easily transportable by
standard truck or OT container

Meins SPS-S is a Power Station, Plug & Play philosophy, designed for photovoltaic installation with string inverter.

It consists of a precast concrete platform equipped with a LV panel and a MV switchgear, as well as a power transformer equipped with oil collection tank and a perimeter fence.

SPS - S - 9600

Solar Power Station - String | Full Outdoor



Technical Specifications

Transformer	
Transformer type / Cooling / Winding	Hermetically sealed corrugated tank / KNAN / Aluminium MV & LV winding
AC Power	9600 kVA (40 °C)
Vector Group	Dy11y11 (IT system, TN system on request)
Voltage ratio / (Um / U AC / U LI)	Primary: Up to 40,5 kV (40,5-95-185 kV) / Secondary: Up to 1000 V – 1000 V (3,6-10-20 kV)
Frequency / Tap changer	50 Hz / DETC ± 2 x 2,5%
Maximum No-load / Load losses	No load: UE548/2014 TIER 2 / Load: UE548/2014 TIER 2
Ucc % (HV/LV1-LV2 / HV-LV1 / HV-LV2)	9% / 8,5% / 8,5%
Other features	DGPT2+PT100, MV bushing type C, filling and drainage valve, lifting lugs, grounding terminal, LV terminal cover
Optional	Dual primary winding, PT100 monitoring device, 1000VAC for secondary
MV switchgear (Outdoor)	
Insulation type / Rated voltage / (U m / U AC / U LI)	SF6 / Up to 40,5 kV / (40,5-95-185 kV). SF6-Free solution available upon request, rated up to 24 KV
Nominal current / Short-time current / IAC	630 A / 20 kA/1s / IAC AFLR
Configuration	2RIL (without motorized CB)
Transformer protection device	Self-powered relay (50,51,50N,51N)
Other features	Voltage presence device VOIS+/WEGA, 1st y 2nd trip coil, manometer, bushing type C, grounding terminals, C1 interlocking at transformer switchgear
Optional	Motorized CB, P1 cross interlocking at line switchgear, cascade control, double cable/phase kit, MV surge arrester, undervoltage coil, voltage presence device Capdis S2+, voltage presence device VOIS R+.
LV panel (Outdoor)	
ACB - Specification	2x 4000 A / LSI / 1000 Vac / 85 kA / 3P / Trip coil
MCCB / Fuse / MCB / RCCB - Specification	MCCB: 30x 320 A / LSI / 800 Vac* / 50kA / 3P Fuses: 6x 125 A (SPD) + 6x 32 A (Datalogger) + 2x 16 A (AASS Transformer) MCB-RCCB: As per SLD
Auxiliary transformer	Single phase: 10 kVA, 2x800 Vac* / 2x230 V, IP00, 50 Hz, up to 1000 m.a.s.l (Three-phase transformer available upon request, with a range of power options)
Other features	UPS DC/DC 24 Vdc, PLC for signal monitoring, SPD I+II, lighting and socket system
Optional	Auxiliary transformer power up to 15 kVA, motorized ACB + close coil / undervoltage coil, UPS AC/AC 230 Vac up to 3 kVA, insulation monitoring device, Emergency trip button, pre-installation of customer communications devices and terminals, datalogger PLC and power supply cabling, Grid analyzer 800Vac, U/F relay, unmanaged ethernet switch, MCCB 400A for 550kVA inverters
Miscellaneous	
Other features	Oil retention tank, security tools, fire & anti-intrusion detecting system, earthing system, LV cabling & MV cabling with KOZ clamps
Optional	Seismic anchorage pieces, foundation calculation report, precast footing, carbon filter, perimeter fence with key lock and roof, set of handling hooks
General	
Structure material	Reinforced and vibrated concrete
Dimensions (L x W x H)	6385 x 2050 x 2700 mm
Weight	<26 Tn
Operation temperature / Humidity Range	-15°C ~ 60°C (-13 °F ~ 140 °F) / 0% ~ 95%
Protection rating / Painting colour	Transformer, LV panel: IP54 / C4H / RAL 7035 MV switchgear: IP54 / C5M / RAL 7035 Perimeter fence: IPX2 / C4H / RAL 7035 Concrete skid: RAL 7035 *Other RAL upon request
Max. operating altitude	1000 m (higher altitude available as optional)
Standards	REBT, RAT, NEN, VDE, IEC 60076, IEC 61439-1, IEC 62271-200, EN 50588-1