



Shinson-4550-MV Shinson MV Station

For 1500V string inverter Shinson 350K

Integrated delivery

Mainstream 4.55MW subarray, widely used globally
20 foot standard container delivery, easy to transport

Reliable products

LV panel, transformer and RMU to be placed independently
Adopt international first-line brand equipment with reliable quality

Convenient installation

A complete solution, from inverter to main step-up transformer
When the container is lifted to the foundation, only LV and MV cables need to be connected

Easy O&M

Full frontal maintenance design
Modular design of MV equipment, easy to replace

Shinson_datasheet-4550-MV

Models	Shinson-4550-MV
	LV panel
MCCB specification	400 A / 800 Vac / 3P, 14*1 pcs
ACB specification	4000 A / 800 Vac / 3P, 1 pcs
Connection form with transformer	Copper busbar
	Transformer
Transformer type	Oil immersed
Rated output power	4550 kVA @ 40°C
Max. output power	4900 kVA @ 30°C
LV/MV voltage	0.8 kV / 10-35 kV
Max. input current	3536 A
Tapping on HV	±2*2.5%
Vector group	Dy11
Frequency	50 Hz / 60 Hz
Cooling type	ONAN
Impedance	8% (±10%)
Oil type	Mineral oil (Optional: plant oil)
Winding material	Al/Al (Optional: Cu/Cu)
Insulation class	A
Connection form with MV switchgear	Cable
	MV Switchgear
Type of insulate	SF6
Rated voltage	12-36 kV
Rated current	630 A
Internal arcing fault	20 kA / 1 s
Qty of feeder	3 feeders
	Protection
LV surge protection	AC type I+II
AC input protection	Circuit breaker
Transformer protection	Oil-temperature, oil-level, oil-pressure
Fire protection	Smoke detection, emergency lighting
	General Data
Dimensions (W*H*D)	6058*2896*2438 mm
Approximate weight	19 T
Operating ambient temperature range	-25 ~ +60°C
Max. operation altitude	1000 m (standard)
Auxiliary power supply	5 kVA / 230 V (Optional: max. 40 kVA)
UPS	1 kVA 30 min (Optional: max. 2 kVA 2h)
Degree of protection	IP54
Allowable relative humidity range	0-95%
Communication	RS485, Ethernet, Optical fiber
Compliance	IEC 60076, IEC 62271, IEC61439