

## Shinson-3250-MV Shinson MV Station

For 1500 V string inverter Shinson 350K

### Integrated delivery

- Mainstream 3.25MW subarray, widely used globally
- 20 foot standard container delivery, easy to transport

### 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

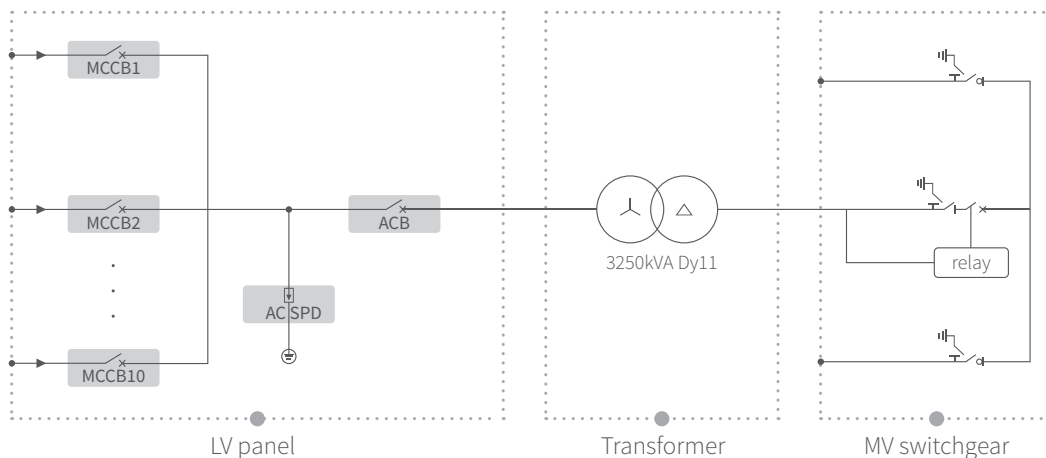
### Reliable products

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

### Easy O&M

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

### ● Circuit diagram



## DATASHEET

## Shinson-3250-MV

Models	Shinson-3250-MV
<b>LV panel</b>	
MCCB specification	400 A / 800 Vac / 3P, 10*1 pcs
ACB specification	3200 A / 800 Vac / 3P, 1 pcs
Connection form with transformer	Copper busbar
<b>Transformer</b>	
Transformer type	Oil immersed
Rated output power	3250 kVA @ 40°C
Max. output power	3500 kVA @ 30°C
LV/MV voltage	0.8 kV / 10-35 kV
Max. input current	2526 A
Tapping on HV	±2*2.5%
Vector group	Dy11
Frequency	50 Hz / 60 Hz
Cooling type	ONAN
Impedance	7% (±10%)
Oil type	Mineral oil (Optional: plant oil)
Winding material	Al/Al (Optional: Cu/Cu)
Insulation class	A
Connection form with MV switchgear	Cable
<b>MV Switchgear</b>	
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
<b>Protection</b>	
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
<b>General Data</b>	
Dimensions (W*H*D)	6058*2896*2438 mm
Approximate weight	17 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