MV Power Station for Utility Solar

- 600-1500V AC or DC step up to 34.5kV / 69kV station
- Capacity: 1000 stations/month with JSHP transformer
- Custom-designed, prefabricated substation per IEC 62271-202(2014)
- Custom-design for the inverter configuration

![Diagram of MV Power Station for Utility Solar]

- PV Panels
- AC Combiner w/ BK, Fuse, etc
- Inverter
- Battery Stings
- Inverter
- Max. DC 1500V
- Max. DC 1000V
- Inverter
- MV Transformer
- Max. 1000V
- Max. 69kV
- MV Switchgear / Disconnecter
- MV Ring Main Unit
- Max. 69kV
- MV Station in a Container
- Grid Connection
- MPT

www.JSHP.com
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MV Power Station for Utility Solar

Design & Tested at the JSHP factory per prefabricated substation standard IEC 62271-202(2014)
• MV Power Station I – Standalone Central Inverters
  • No DC or Inverters in MV station container
  • One container to include MV transformer, bus/cable connections, breakers, etc.
Center Converter: AC/DC MV Power Station

- MV Power Station II – Standalone Central Inverters
  - DC Inverters in MV station container
  - One container to include Inverter, MV transformer, bus/cable connections, breakers, etc.
Typical One line – MV Station W/O Inverters

MV Chamber | MV TR | LV Chamber
Typical AC/DC MV Power Station Layout

- 6300 kVA – 2 Inverters, one 20ft Container

Side View

Top View
+2,000 MV stations delivered world wide

* Europe
* USA
* Asian

JSHP has delivered 40,000+ units of MV transformers