SG3125HV
Turnkey Station for 1500 Vdc System

High Yield
- Advanced three-level technology, max. efficiency 99%
- Effective cooling, full power operation at 50 °C
- Max. DC/AC ratio up to 1.5

Easy O&M
- Integrated current and voltage monitoring function for online analysis and fast trouble shooting
- Modular design, easy for maintenance
- Convenient external LCD

Saved Investment
- Low transportation and installation cost due to 10-foot container design
- DC 1500 V system, low system cost
- Integrated LV auxiliary power supply
- Night Static Var Generator (SVG) function

Grid Support
- Compliance with standards: IEC 62116, IEC 61727
- Low/High voltage ride through (L/HVRT)
- Active & reactive power control and power ramp rate control

Circuit Diagram

Inverter Efficiency Curve

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### Input (DC)
- **Max. PV input voltage**
- **Min. PV input voltage / Startup input voltage**
- **MPP voltage range for nominal power**
- **No. of independent MPP inputs**
- **No. of DC inputs**
- **Max. PV input current**

### Output (AC)
- **AC output power**
- **Max. AC output current**
- **Nominal AC voltage**
- **AC voltage range**
- **Nominal grid frequency / Grid frequency range**
- **THD**
- **DC current injection**
- **Power factor at nominal power / Adjustable power factor**

### Efficiency
- **Max. efficiency / Euro. efficiency**

### Protection and Function
- **DC input protection**
- **AC output protection**
- **Overvoltage protection**
- **Grid monitoring / Ground fault monitoring**
- **Insulation monitoring**
- **Overheat protection**
- **Night SVG function**
- **Anti-PID function**
- **Load break switch + fuse**
- **Circuit breaker**
- **DC Type I + II / AC Type II**
- **Yes / Yes**
- **Yes**
- **Yes**
- **Optional**

### General Data
- **Dimensions (W*H*D)**
- **Weight**
- **Isolation method**
- **Degree of protection**
- **Auxiliary power supply**
- **Operating ambient temperature range**
- **Allowable relative humidity range (non-condensing)**
- **Cooling method**
- **Max. operating altitude**
- **Display**
- **Communication**
- **Compliance**
- **Grid support**
- **Type designation**