

MV Power Station

2660-S2 / 2800-S2 / 2930-S2 / 3060-S2

Turnkey solution for PV and battery-storage power plants



Robust

- Station and all individual components type-tested
- Galvanized base frame for extreme ambient conditions

Easy to use

- Turn-key solution
- Fully pre-assembled for easy setup and commissioning

Cost-effective

- Lower specific costs thanks to high power classes
- Minimal coordination required during planning and installation
- Low transport costs thanks to 20-foot platform

Flexible

- One design for the whole world
- Numerous options

With the power of the robust central inverters Sunny Central UP or Sunny Central Storage UP and the perfectly matched medium-voltage components, the MV Power Station offers high power density and is a turnkey solution available worldwide.

Ideal for use in the new generation of PV and battery-storage power plants with 1500 V_{DC}, the integrated system solution is easy to transport and quick to assemble and commission. The MVPS and all components are type-tested. The MV Power Station combines rigorous plant safety with maximum energy yield and minimized deployment and operating risk.

MV POWER STATION 2660-S2 / 2800-S2 / 2930-S2 / 3060-S2

| Technical data | MVPS 2660-S2 | MVPS 2800-S2 |
|---|--|---------------------------------|
| Input (DC) | | |
| Available inverters | 1 x SC 2660 UP / | 1 x SC 2800 UP / |
| | 1 x SCS 2300 UP-XT | 1 x SCS 2400 UP-XT |
| Max. input voltage | 1500 V | 1500 V |
| Number of DC inputs | Depending on selected inverter | |
| Integrated zone monitoring | |) |
| Output (AC) on the medium-voltage side | | |
| Nominal power at SC UP (from -25°C to +35°C / 40°C; optional 50°C) ¹⁾ | 2667 kVA / 2400 kVA | 2800 kVA / 2520 kVA |
| Charging power at SCS UP-XT (from -25°C to +25°C / 40°C; optional 50°C) ¹⁾ | 2393 kVA / 2001 kVA | 2513 kVA / 2101 kVA |
| Discharging power at SCS UP-XT (from -25°C at +25°C / 40°C; optional 50°C) ¹⁾ | 2667 kVA / 2267 kVA | 2800 kVA / 2380 kVA |
| Typical nominal AC voltages with a tolerance of +/-10% | 10 kV to 35 kV | 10 kV to 35 kV |
| AC power frequency | 50 Hz / 60 Hz | 50 Hz / 60 Hz |
| Transformer vector group Dy11 / YNd11 / YNy0 | •/0/0 | •/0/0 |
| Transformer cooling method | KNAN ²⁾ | KNAN ²⁾ |
| Transformer standby power losses, industry standard / Eco design 1 / Eco design 2 | •/0/0 | •/0/0 |
| Transformer short-circuit losses, industry standard / Eco design 1 / Eco design 2 | •/0/0 | •/0/0 |
| Max. total harmonic distortion | < 3 | 3 % |
| Reactive power feed-in (up to max. 60% of nominal power) | 0 | |
| Power factor at rated power / adjustable displacement power factor | 1 / 0.8 overexcited to 0.8 underexcited | |
| Inverter efficiency | | |
| Max. efficiency ³ / Europ. efficiency ³ / CEC efficiency ⁴ | 98.7% / 98.6% / 98.5% | 98.7% / 98.6% / 98.5% |
| Protective devices | , , | , |
| Input-side disconnection point | DC load-break switch | |
| Output-side disconnection point | Medium-voltage vacuum circuit breaker | |
| DC overvoltage protection | Surge arrester, type I | |
| Galvanic isolation | ouge diresiel, type i | |
| Arc fault resistance medium-voltage control room (according to IEC 62271-202) | IAC A 2 | 0 kA 1 s |
| General data | 1710712 | 0 10 () 0 |
| Dimensions (W / H / D) | 6058 mm / 2894 | 6 mm / 2438 mm |
| Weight | 6058 mm / 2896 mm / 2438 mm < 18 t | |
| Self-consumption (max. / partial load / average) ¹⁾ | | |
| Self-consumption (stand-by) ¹⁾ | < 8.1 kW / < 1.8 kW / < 2.0 kW < 370 W | |
| Ambient temperature -25°C to +45°C / -25°C to +55°C / -35°C to +55°C / -40°C to +45°C | | |
| Degree of protection according to IEC 60529 | ● / ○ / ○ / ○ Control rooms IP23D, inverter electronics IP54 | |
| Environment: standard/extreme | | |
| · | • / O | |
| Maximum permissible value for relative humidity | 95% (for 2 months/year) | |
| Max. operating altitude above MSL 1000 m / 2000 m | •/0 | |
| Inverter fresh air consumption | 6300 | m³/h |
| Equipment | | |
| DC connection | Lug | |
| AC connection | Outer-cone angle plug | |
| Tap changer for MV voltage transformer: without/with | • / 0 | |
| Shield winding for MV transformer: without/with | • / 0 | |
| Monitoring package | 0 | |
| Station enclosure color | RAL 7004 | |
| Transformer for external loads: without / 10 / 20 / 30 / 40 / 50 / 60 kVA | •/0/0/0 | 0/0/0/0 |
| MV switchgear: without / 1 panel / 3 panels 2 cable panels with load-break switch, 1 transformer panel with circuit breaker, arc fault resistance IAC A FL 20 kA 1 s to IEC 62271-200 | •/0/0 | |
| MV switchgear short-circuit current capability (20 kA 1 s / 20 kA 3 s / 25 kA 1 s) | •/0 | 0/0 |
| Accessory for MV switchgear: without / auxiliary contacts / motor for transformer panel / cascade control / monitoring | •/0/0/0/0 | |
| Integrated oil spill containment: without/with | , | / 0 |
| Industry standards (other industry standards: see inverter datasheet) | IEC 60076, IEC 62271-200, IEC 622 | 271-202, EN50588-1, CSC certifi |
| | | |

- ullet Standard features ullet Optional features ullet Not available
- Data based on inverter Further details can be found in the inverter datasheet.
 KNAN = ester with natural air cooling
 Efficiency measured at inverter without internal power supply

- 4) Efficiency measured at inverter with internal power supply

| Inspect Insp | echnical data | MVPS 2930-S2 | MVPS 3060-S2 |
|---|---|---|---|
| 1 x SCS 2330 URXT 1 x SCS 2300 URXT 1 SOV 1500 V | nput (DC) | | |
| Number of DC Inputs Integrated zone monitoring Output (AC) on the medium-voltage side Nominal power at SC UP (from 25°C to +35°C / 40°C; optional 50°C)** Nominal power at SC SUPX (from 25°C to +25°C / 40°C; optional 50°C)** 1 2933 kWa / 2640 kWa 275 kWa / 2302 kWa / 2638 kWa / 2201 kWa 2752 kWa / 2302 kWa / 2608 kWa / 2607 kWa 10kcharging power at SCS UPXX (from 25°C to +125°C / 40°C; optional 50°C)** 1 2933 kWa / 2408 kWa 3067 kWa / 2607 kWa 10kcharging power at SCS UPXX (from 25°C to +125°C / 40°C; optional 50°C)** 1 2933 kWa / 2408 kWa 3067 kWa / 2607 kWa 10k VWa 35 kW / 2001 kWa 2752 kWa / 2302 kWa / 2608 kWa 2607 kWa 10k VWa 35 kW / 2001 kWa 2752 kWa / 2302 kWa / 2607 kWa 10k VWa 35 kW / 2001 kWa 2607 kWa 10k VWa 35 kW / 2001 kWa 2607 kWa 10k VWa 35 kWa 2608 kWa 2 | Available inverters | · | • |
| Depending on selected inverter | Max. input voltage | | |
| O | · · · · · | Depending on | selected inverter |
| Nominal power at SC UP (from .25°C to +35°C / 40°C; optional 50°C) | ntegrated zone monitoring | | |
| Charging power at SCS URA / 2001 WA 25°C to + 25°C / 40°C; optional 50°C 1 | Dutput (AC) on the medium-voltage side | | |
| Charging power at SCS URA / 2001 WA 25°C to + 25°C / 40°C; optional 50°C 1 | Nominal power at SC UP (from -25°C to +35°C / 40°C; optional 50°C) ¹⁾ | 2933 kVA / 2640 kVA | 3067 kVA / 2760 kVA |
| Discharging power at SCS UPXT from .25 °C at +25 °C / 40 °C; optional 50 °C 3 | | | 2752 kVA / 2302 kVA |
| Typical naminal AC voltages with a tolerance of +/-10% | | 2933 kVA / 2493 kVA | 3067 kVA / 2607 kVA |
| AC power frequency Convert frequency S0 Hz / 60 Hz S0 Hz / 60 Hz | * * | 10 kV to 35 kV | 10 kV to 35 kV |
| Transformer vector group Dy1 YNd 1 YNy 0 | · · · · · · · · · · · · · · · · · · · | 50 Hz / 60 Hz | 50 Hz / 60 Hz |
| Transformer sonding method Transformer standby power losses, industry standard / Eco design 1 / Eco design 2 • / ○ / ○ • / ○ / ○ • / ○ / ○ • / ○ / ○ • / ○ / ○ • / ○ / ○ • / ○ / | ransformer vector group Dy11 / YNd11 / YNy0 | •/0/0 | •/0/0 |
| Transformer standby power losses, industry standard / Eco design 1 / Eco design 2 | * ' ' ' | KNAN ²⁾ | KNAN ²⁾ |
| Max. total harmonic distortion Axa. total harmonic distortion | • | •/0/0 | •/0/0 |
| Max. total harmonic distortion Ceactive power feed-in (pt to max. 60% of nominal power) | | ' ' | |
| Power factor of trated power / adjustable displacement power factor Inverter efficiency Inverter efficienc | · · · · · · · · · · · · · · · · · · · | | |
| Power factor at rated power / adjustable displacement power factor Inverter efficiency | Reactive power feed-in (up to max. 60% of nominal power) | | |
| Inverter efficiency Max. efficiency ¹¹ / Europ, efficiency ¹¹ / CEC efficiency ¹⁴ Max. efficiency ¹¹ / Europ, efficiency ¹⁴ / CEC efficiency ¹⁴ Protective devices Inputside disconnection point Doubutside disconnection point Medium-voltage vacuum circuit breaker Covervoltage protection Surge acrester, type I Golvanic isolation **Certail resistance medium-voltage control room (according to IEC 62271-202) Beneral data Dimensions [W H D] **General data Dimensions [W H D] **General data Dimensions [W H D] **Self-Consumption (max. / partial load / average) ¹¹ **Self-Consumption (max. / partial load / average) ¹² **Control rooms IP23D, inverter electronics IP54 **C | | 1 / 0.8 overexcited to 0.8 underexcited | |
| Max. efficiency ³¹ / Europ. efficiency ³¹ / CEC efficiency ⁴¹ / Portocolor devices Protective devices Inpulside disconnection point Output-side disconnection point Output-side disconnection point Ocovervollage protection Galvanic isolation Arc fault resistance medium-voltage control room (according to IEC 62271-202) IAC A 20 kA 1 s General data Dimensions (W / H / D) Weight Self-consumption (max. / partial load / average) ¹¹ Self-consumption (max. / partial load / average) ¹¹ Self-consumption (stand-by) ¹¹ Ambient temperature -25°C to +45°C /-25°C to +55°C /-35°C to +55°C /-40°C to +45°C Degree of protection according to IEC 60229 Control rooms IP23D, inverter electronics IP54 Environment: standard/axtrem Max. appearing altitude above MSL 1000 m / 2000 m Inverter fresh air consumption Equipment DC connection CA Connection DC connection CA Ca Connection Ca Connection Ca Connection Ca Connection Ca Connec | · · · · · · · · · · · · · · · · · · · | • | |
| Protective devices Input-side disconnection point DC load-break switch DUIput-side disconnection point DC overvoltage protection Galvanic isolation Ac fault resistance medium-voltage control room (according to IEC 62271-202) IAC A 2 0 kA 1 s General data Dimensions (W / H / D) Self-consumption (max. / partial load / average) 1 Self-consumption (max. / partial load / average) 1 Self-consumption (stand-by) 1 Ambient temperature -25° C to +45° C / -25° C to +55° C / -35° C to +55° C / -40° C to +45° C Degree of protection according to IEC 605279 Control rooms IPS3D, inverter electronics IP54 Environment: standard/extreme Max. operating altitude above MSL 1000 m / 2000 m Max. operating altitude above MSL 1000 m / 2000 m Max connection CC | • | 98.7% / 98.6% / 98.5% | 98.7% / 98.6% / 98.5% |
| Imputside disconnection point Outputside disconnection outputside protection outputside point of the description of the de | , | , | , |
| Output-side disconnection point Occurrently of the protection College protection Co | | DC load-break switch | |
| DC overvoltage protection Galvanic isolation Acr Galt resistance medium-voltage control room (according to IEC 62271-202) Acr Gault resistance medium-voltage control room (according to IEC 62271-202) Bimensions (W / H / D) Bimensions (M / H / D) Bim | · | | |
| Galvanic isolation Arc fault resistance medium-voltage control room (according to IEC 62271-202) General data Dimensions (W / H / D) 6058 mm / 2896 mm / 2438 mm < 18 t Self-consumption (max. / partial load / average) 11 681. kW / < 1.8 kW / < 2.0 kW Self-consumption (max. / partial load / average) 11 681. kw / < 2.0 kW Self-consumption (stand-by) 11 681. kw / < 2.0 kW Self-consumption (stand-by) 11 681. kw / < 2.0 kW Self-consumption (stand-by) 12 681. kw / < 2.0 kW Self-consumption (stand-by) 13 681. kw / < 2.0 kW Self-consumption (stand-by) 14 682. kw / < 2.0 kW Self-consumption (stand-by) 15 682. kw / < 2.0 kw Self-consumption (stand-by) 15 683. kw / < 2.0 kW Self-consumption (stand-by) 15 683. kw / < 2.0 kW Self-consumption (stand-by) 15 683. kw / < 2.0 kW 685. kg 1 kw / < 0.0 | | v v | |
| Arc fault resistance medium-voltage control room (according to IEC 62271-202) General data Weight Weight Self-consumption (max. / partial load / average) ¹¹ Self-consumption (max. / partial load / average) ¹¹ Self-consumption (stand-by) ¹¹ Self-consumption (stand-by-deta) Self-consumption (stand-by-deta) Self-consump | · · | Surge direster, type i | |
| General data Dimensions (W H D) 6058 mm / 2896 mm / 2438 mm 4 18 Self-consumption (max. / partial load / average)¹¹ 5elf-consumption (stand-by)¹¹ 4 8.1 kW 4.1 kW 4.2 kW Self-consumption (stand-by)¹¹ 5elf-consumption (stand-by)²¹ 5elf-consumption (stand-by)²² 6elf-consumption (stand- | | IAC A 2 | O kA 1 s |
| Dimensions (W / H / D) | · · · · · · · · · · · · · · · · · · · | IAC A Z | |
| Veight Self-consumption (max. / partial load / average) Self-consumption (max. / partial load / average) Self-consumption (stand-by) Self-consumpt | | 6058 mm / 289 | 6 mm / 2/38 mm |
| Self-consumption (max. / partial load / average) 11 Self-consumption (stand-by) 11 Ambient temperature -25°C to +45°C / -25°C to +55°C / -35°C to +55°C / -40°C to +45°C Degree of protection according to IEC 60529 Environment: standard/extreme Maximum permissible value for relative humidity Max. operating altitude above MSL 1000 m / 2000 m Maximum permissible value for relative humidity Max. operating altitude above MSL 1000 m / 2000 m Acconnection Connection Acconnection Acco | | | |
| Self-consumption (stand-by) ¹¹ Ambient temperature ·25°C to +45°C / ·25°C to +55°C / ·35°C to +55°C / ·40°C to +45°C Degree of protection according to IEC 60529 Environment: standard/extreme Maximum permissible value for relative humidity Max. operating altitude above MSL 1000 m / 2000 m Inverter fresh air consumption Equipment DC connection AC connection Top changer for MV voltage transformer: without/with Shield winding for MV transformer: without/with Shield winding for MV transformer: without/with Monitoring package Station enclosure color RAL 7004 Transformer for external loads: without / 10 / 20 / 30 / 40 / 50 / 60 kVA MV switchgear: without / 1 panel / 3 panels 2 cable panels with load-break switch, 1 transformer panel with circuit breaker, arc fault resistance IAC A FL 20 kA 1 s to IEC 62271-200 MV switchgear: without / ouxiliary contacts / motor for transformer panel / eaccade control / monitoring in spill containment: without/with • / ○ Accessory for MV switchgear: without / auxiliary contacts / motor for transformer panel / eaccade control / monitoring integrated oil spill containment: without/with • / ○ / ○ / ○ / ○ / ○ / ○ / ○ / ○ / ○ / | • | | |
| Ambient temperature -25°C to +45°C / -25°C to +55°C / -35°C to +55°C / -40°C to +45°C Degree of protection according to IEC 60529 Environment: standard/extreme Maximum permissible value for relative humidity Max. operating altitude above MSL 1000 m / 2000 m Inverter fresh air consumption Equipment DC connection AC connection Iug Outer-cone angle plug Tap changer for MV voltage transformer: without/with Occurrent for external loads: without / 10 / 20 / 30 / 40 / 50 / 60 kVA MV switchgear: without / 1 panel / 3 panels 2 cable panels with load-break switch, 1 transformer panel with circuit breaker, arc fault resistance IAC A FL 20 kA 1 s to IEC 62271-200 MV switchgear: without / monitoring Integrated oil spill containment: without/with Occurrent or external formation in the containment of the transformer panel / cascade control / monitoring Integrated oil spill containment: without/with Occurrent or external formation in the containment is without / auxiliary contacts / motor for transformer panel / cascade control / monitoring Integrated oil spill containment: without/with Occurrent or external formation in the containment is without / auxiliary contacts / motor for transformer panel / cascade control / monitoring Integrated oil spill containment: without/with Occurrent or external formation in the containment is without / auxiliary contacts / motor for transformer panel / cascade control / monitoring Integrated oil spill containment: without/with | | · | |
| Degree of protection according to IEC 60529 Environment: standard/extreme Maximum permissible value for relative humidity Max. operating altitude above MSL 1000 m / 2000 m Inverter fresh air consumption Equipment DC connection AC connection Tap changer for MV voltage transformer: without/with Outer-cone angle plug Tap changer for MV ronsformer: without/with Outers one angle plug To connection Transformer for external loads: without / 10 / 20 / 30 / 40 / 50 / 60 kVA MV switchgear: without / 1 panel / 3 panels 2 cable panels with load-break switch, 1 transformer panel with circuit breaker, arc fault resistance IAC A FL 20 kA 1 s to IEC 62271-200 MV switchgear: without / auxiliary contacts / motor for transformer panel / cascade control / monitoring lategare: without / auxiliary contacts / motor for transformer panel / cascade control / monitoring lategare: without / auxiliary contacts / motor for transformer panel / cascade control / monitoring Integrated oil spill containment: without/with | | | |
| Environment: standard/extreme Maximum permissible value for relative humidity Max. operating altitude above MSL 1000 m / 2000 m Inverter fresh air consumption Equipment DC connection AC connection AC connection Clug AC connection Outer-cone angle plug Top changer for MV voltage transformer: without/with Shield winding for MV transformer: without/with Onitoring package Station enclosure color Transformer for external loads: without / 10 / 20 / 30 / 40 / 50 / 60 kVA MV switchgear: without / 1 panel / 3 panels 2 cable panels with load-break switch, 1 transformer panel with circuit breaker, arc fault resistance IAC A FL 20 kA 1 s to IEC 62271-200 MV switchgear short-circuit current capability (20 kA 1 s / 20 kA 3 s / 25 kA 1 s) Accessory for MV switchgear: without / auxiliary contacts / motor for transformer panel / cascade control / monitoring Integrated oil spill containment: without/with | • | · · · · | |
| Maximum permissible value for relative humidity Max. operating altitude above MSL 1000 m / 2000 m Inverter fresh air consumption Equipment DC connection AC connection AC connection Tap changer for MV voltage transformer: without/with To consider any of the without of | · · · · · · · · · · · · · · · · · · · | | |
| Max. operating altitude above MSL 1000 m / 2000 m Inverter fresh air consumption Equipment DC connection AC connection Tap changer for MV voltage transformer: without/with Shield winding for MV transformer: without/with Monitoring package Station enclosure color Transformer for external loads: without / 10 / 20 / 30 / 40 / 50 / 60 kVA MV switchgear: without / 1 panel / 3 panels 2 cable panels with load-break switch, 1 transformer panel with circuit breaker, arc fault resistance IAC A FL 20 kA 1 s to IEC 62271-200 MV switchgear short-circuit current capability (20 kA 1 s / 20 kA 3 s / 25 kA 1 s) Accessory for MV switchgear: without / auxiliary contacts / motor for transformer panel / cascade control / monitoring Integrated oil spill containment: without/with | · | · | |
| Inverter fresh air consumption Equipment DC connection AC connection Outer-cone angle plug Tap changer for MV voltage transformer: without/with Octor one dosure color Shield winding for MV transformer: without/with Octor one dosure color RAL 7004 Transformer for external loads: without / 10 / 20 / 30 / 40 / 50 / 60 kVA MV switchgear: without / 1 panel / 3 panels 2 cable panels with load-break switch, 1 transformer panel with circuit breaker, arc fault resistance IAC A FL 20 kA 1 s to IEC 62271-200 MV switchgear short-circuit current capability (20 kA 1 s / 20 kA 3 s / 25 kA 1 s) Accessory for MV switchgear: without / auxiliary contacts / motor for transformer panel / cascade control / monitoring Integrated oil spill containment: without/with Outer-cone angle plug Outer-cone an | | | |
| Equipment DC connection AC connection AC connection Tap changer for MV voltage transformer: without/with Shield winding for MV transformer: without/with Monitoring package Station enclosure color Transformer for external loads: without / 10 / 20 / 30 / 40 / 50 / 60 kVA MV switchgear: without / 1 panel / 3 panels 2 cable panels with load-break switch, 1 transformer panel with circuit breaker, arc fault resistance IAC A FL 20 kA 1 s to IEC 62271-200 MV switchgear short-circuit current capability (20 kA 1 s / 20 kA 3 s / 25 kA 1 s) Accessory for MV switchgear: without / auxiliary contacts / motor for transformer panel / cascade control / monitoring Integrated oil spill containment: without/with | | , | |
| DC connection AC connection AC connection Tap changer for MV voltage transformer: without/with Shield winding for MV transformer: without/with Monitoring package Station enclosure color Transformer for external loads: without / 10 / 20 / 30 / 40 / 50 / 60 kVA MV switchgear: without / 1 panel / 3 panels 2 cable panels with load-break switch, 1 transformer panel with circuit breaker, arc fault resistance IAC A FL 20 kA 1 s to IEC 62271-200 MV switchgear short-circuit current capability (20 kA 1 s / 20 kA 3 s / 25 kA 1 s) Accessory for MV switchgear: without / auxiliary contacts / motor for transformer panel / cascade control / monitoring Integrated oil spill containment: without/with Outer-cone angle plug Outer by Out | · | 0300 | , III , III |
| AC connection Outer-cone angle plug Tap changer for MV voltage transformer: without/with Shield winding for MV transformer: without/with Monitoring package Station enclosure color Transformer for external loads: without / 10 / 20 / 30 / 40 / 50 / 60 kVA MV switchgear: without / 1 panel / 3 panels 2 cable panels with load-break switch, 1 transformer panel with circuit breaker, arc fault resistance IAC A FL 20 kA 1 s to IEC 62271-200 MV switchgear short-circuit current capability (20 kA 1 s / 20 kA 3 s / 25 kA 1 s) Accessory for MV switchgear: without / auxiliary contacts / motor for transformer panel / cascade control / monitoring Integrated oil spill containment: without/with | • • | 1. | |
| Tap changer for MV voltage transformer: without/with Shield winding for MV transformer: without/with Monitoring package Station enclosure color Station enclosure color Transformer for external loads: without / 10 / 20 / 30 / 40 / 50 / 60 kVA MV switchgear: without / 1 panel / 3 panels 2 cable panels with load-break switch, 1 transformer panel with circuit breaker, arc fault resistance IAC A FL 20 kA 1 s to IEC 62271-200 MV switchgear short-circuit current capability (20 kA 1 s / 20 kA 3 s / 25 kA 1 s) Accessory for MV switchgear: without / auxiliary contacts / motor for transformer panel / cascade control / monitoring Integrated oil spill containment: without/with | | • | |
| Shield winding for MV transformer: without/with Monitoring package Station enclosure color Transformer for external loads: without / 10 / 20 / 30 / 40 / 50 / 60 kVA MV switchgear: without / 1 panel / 3 panels 2 cable panels with load-break switch, 1 transformer panel with circuit breaker, arc fault resistance IAC A FL 20 kA 1 s to IEC 62271-200 MV switchgear short-circuit current capability (20 kA 1 s / 20 kA 3 s / 25 kA 1 s) Accessory for MV switchgear: without / auxiliary contacts / motor for transformer panel / cascade control / monitoring Integrated oil spill containment: without/with | | | |
| Monitoring package Station enclosure color Transformer for external loads: without / 10 / 20 / 30 / 40 / 50 / 60 kVA MV switchgear: without / 1 panel / 3 panels 2 cable panels with load-break switch, 1 transformer panel with circuit breaker, arc fault resistance IAC A FL 20 kA 1 s to IEC 62271-200 MV switchgear short-circuit current capability (20 kA 1 s / 20 kA 3 s / 25 kA 1 s) Accessory for MV switchgear: without / auxiliary contacts / motor for transformer panel / cascade control / monitoring Integrated oil spill containment: without/with | | | |
| Station enclosure color RAL 7004 Transformer for external loads: without / 10 / 20 / 30 / 40 / 50 / 60 kVA MV switchgear: without / 1 panel / 3 panels 2 cable panels with load-break switch, 1 transformer panel with circuit breaker, arc fault resistance IAC A FL 20 kA 1 s to IEC 62271-200 MV switchgear short-circuit current capability (20 kA 1 s / 20 kA 3 s / 25 kA 1 s) Accessory for MV switchgear: without / auxiliary contacts / motor for transformer panel / cascade control / monitoring Integrated oil spill containment: without/with | • | · | |
| Transformer for external loads: without / 10 / 20 / 30 / 40 / 50 / 60 kVA MV switchgear: without / 1 panel / 3 panels 2 cable panels with load-break switch, 1 transformer panel with circuit breaker, arc fault resistance IAC A FL 20 kA 1 s to IEC 62271-200 MV switchgear short-circuit current capability (20 kA 1 s / 20 kA 3 s / 25 kA 1 s) Accessory for MV switchgear: without / auxiliary contacts / motor for transformer panel / cascade control / monitoring Integrated oil spill containment: without/with | · · · · · · · · · · · · · · · · · · · | | |
| MV switchgear: without / 1 panel / 3 panels 2 cable panels with load-break switch, 1 transformer panel with circuit breaker, arc fault resistance IAC A FL 20 kA 1 s to IEC 62271-200 MV switchgear short-circuit current capability (20 kA 1 s / 20 kA 3 s / 25 kA 1 s) Accessory for MV switchgear: without / auxiliary contacts / motor for transformer panel / cascade control / monitoring Integrated oil spill containment: without/with | | | |
| MV switchgear short-circuit current capability (20 kA 1 s / 20 kA 3 s / 25 kA 1 s) Accessory for MV switchgear: without / auxiliary contacts / motor for transformer panel / cascade control / monitoring Integrated oil spill containment: without/with | MV switchgear: without / 1 panel / 3 panels 2 cable panels with load-break switch, 1 transformer panel with circuit breaker, arc fault | | |
| Accessory for MV switchgear: without / auxiliary contacts / motor for transformer panel / cascade control / monitoring Integrated oil spill containment: without/with | | | |
| cascade control / monitoring Integrated oil spill containment: without/with / 0 / 0 / 0 / 0 / 0 / 0 / 0 / 0 / 0 | | | |
| , | ascade control / monitoring | | |
| Industry standards (other industry standards: see inverter datasheet) IEC 600/6, IEC 622/1-200, IEC 622/1-202, EN50588-1, CSC certific | • | · | |
| | ndustry standards (other industry standards: see inverter datasheet) | IEC 600/6, IEC 62271-200, IEC 622 | 2/1-202, EN50588-1, CSC certific |

- ullet Standard features ullet Optional features ullet Not available
- Data based on inverter Further details can be found in the inverter datasheet.
 KNAN = ester with natural air cooling
 Efficiency measured at inverter without internal power supply
 Efficiency measured at inverter with internal power supply



