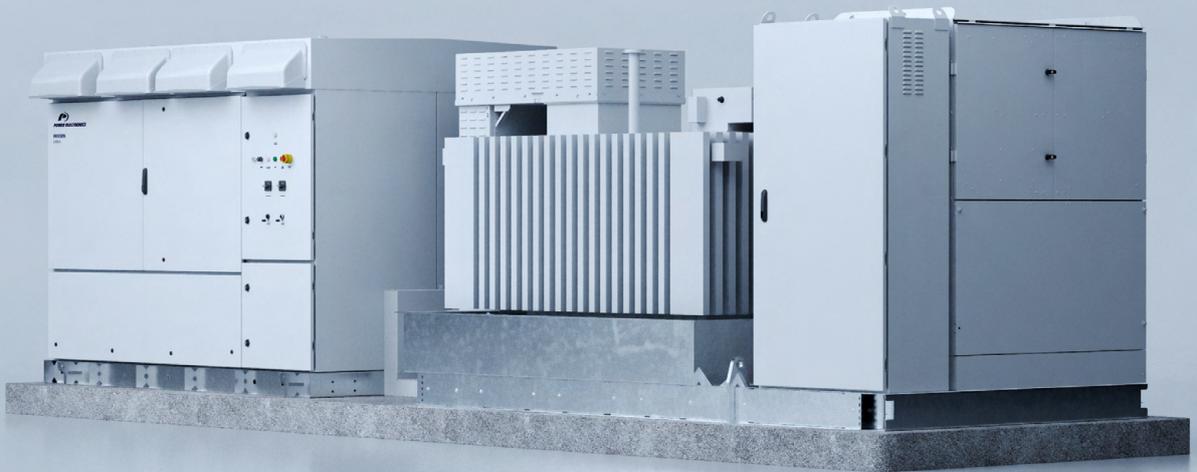


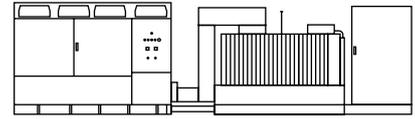
# MV Skid Compact

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**Turn-key solution.**  
**Fastest connection with HEMK.**  
**Installation cost reduction.**  
**Flexible plant distribution.**



# MV Skid Compact



|                                |   |   |   |
|--------------------------------|---|---|---|
| RATINGS                        | Power range @ 40 °C                               | 1910 kVA - 4390 kVA   |   |
|                                | Power range @ 50 °C                               | 1775 kVA - 4075 kVA   |   |
| MEDIUM<br>VOLTAGE<br>EQUIPMENT | MV voltage range                                  | 6.6 kV / 11 kV / 13.2 kV / 13.8 kV / 15 kV / 20 kV / 22 kV / 23 kV<br>/ 25 kV / 30 kV / 33 kV / 34.5 kV |   |
|                                | LV voltage range                                  | 600 V / 615 V / 630 V / 645 V / 660 V / 690 V   |   |
|                                | Transformer cooling                               | ONAN / KNAN   |   |
|                                | Transformer vector group                          | Dy11  |   |
|                                | Transformer protection                            |   | Protection relay for pressure, temperature (two levels) and gassing |
|                                |   |   | Monitoring of dielectric level decrease                             |
|                                | Transformer index of protection                   | PT100 optional  |   |
|                                | Transformer losses                                | IP54  |   |
|                                | Oil retention tank                                | IEC standard or IEC Tier-2  |   |
|                                | Switchgear configuration <sup>[3]</sup>           | Galvanized steel. Integrated with hydrocarbon filter. Optional  |   |
|                                | Switchgear protection <sup>[3]</sup>              | Double feeder (2L)  |   |
|                                | Switchgear short circuit rating <sup>[1]</sup>    | Circuit breaker (V)   |   |
|                                | Switchgear IAC <sup>[1]</sup>                     | 16 kA 1 s (optionally 20 kA or 25 kA)   |   |
|                                | CONNECTIONS                                       | LV-MV connections   | A-FLR 16 kA 1 s (optionally 20 kA or 25 kA)                         |
| LV protection                  |   | Close coupled solution (plug & play)  |   |
| HV AC wiring                   |   | Motorized circuit breaker included in the inverter  |   |
| ENVIRONMENT                    | Ambient temperature range <sup>[2]</sup>          | MV bridge between transformer and protection switchgear prewired  |   |
|                                | Maximum altitude (above sea level) <sup>[1]</sup> | -25 °C... +60 °C (T > 40 °C power derating)   |   |
|                                | Relative humidity                                 | Up to 1000 m (optionally up to 4000 m)  |   |
| AUXILIARY<br>SERVICES          | User cabinet                                      | 4% to 95% non condensing  |   |
|                                | UPS system <sup>[1]</sup>                         | Integrated in the inverter (by default). Optionally, LV cabinet in the skid                             |   |
| OTHER EQUIPMENT                | Safety mechanism                                  | 1 kVA / 1 kW (12 minutes). Optional   |   |
|                                | Fire suppression system                           | Interlocking system   |   |
| STANDARDS                      | Compliance  | Transformer oil retention tank accessory. Optional  |   |
|                                |   | IEC 62271-212, IEC 62271-200, IEC 60076, IEC 61439-1  |   |

## NOTES

[1] Consult with Power Electronics for other options.

[2] For lower temperatures, consult with Power Electronics.

[3] SF6 free optional available.