

**MV Integrated PowerSkid™**

# Integrated, easy-to-install skid for medium voltage applications

**The MV Integrated PowerSkid™ combines our highly efficient three-level CPS-2500 converters with medium-voltage components to create an ideal solution for quick integration.**

The MV Integrated PowerSkid is delivered on a pre-configured integrated skid for quick installation and easy commissioning. Designed with integrated medium-voltage components, our Integrated PowerSkid offers maximum uptime in a convenient package.

Our next-generation CPS-2500s offer industry-leading power density and efficiency that will scale to meet large-scale storage integration.

## **System Advantages**

- Quick and easy installation with factory assembled products
- Plug-and-play concept for easy integration
- Simplified procurement
- Simplified commissioning



## CPS-2500 TECHNICAL SPECIFICATIONS

### Electrical

AC Input Voltage:	800V <sub>AC</sub>
Grid Frequency:	60 Hz
Maximum Apparent Power:	5300 kVA
Maximum Real Power:	5300 kVA
Maximum AC Current:	1928 A <sub>RMS</sub> (3856A <sub>RMS</sub> )
DC Voltage Range:	1150–1500V <sub>DC</sub>
Maximum DC Current:	2340A <sub>DC</sub> (4680A <sub>DC</sub> )
Power Factor:	Four Quadrant
Current Harmonics:	IEEE 1547 Compliant, <5% TDD
Maximum Efficiency:	98.58 @1500V <sub>DC</sub> & 98.70 @1280V <sub>DC</sub>

### Environmental

Operating Temp:	-35 to +60°C, De-rated above +45°C
Max Elevation:	1000 Meters Full Power Up to 3000 Meters with Derating
Cooling:	Forced Air Cooled
Enclosure:	NEMA 3R/IP 54

### Certifications & Standards Compliance

UL1741 Ed. 3
IEEE 1547
CSA 22.2 #107.1
IEEE 519

## TRANSFORMER TECHNICAL SPECIFICATIONS

### Overview

Distribution:	3-Phase
Power:	3-6 MVA
Cooling Class:	ONAN
HV Winding:	1 x 34.5kV WYE
Alternative MV AC Standard Options:	34.5kV, 12.45kV, 13.8kV
LV Winding:	2 x 800V <sub>AC</sub>
No Load MV Pad Lockable Switch	
Liquid Level Gauge with Alarm Contacts	
Thermometer with Alarm Contacts	
Pressure Gauge with Alarm Contacts	

**DYNAPOWER**

85 Meadowland Drive, South Burlington, Vermont USA 05403

1.802.860.7200 | sales@dynapower.com

[dynapower.com](https://www.dynapower.com)

