MEGMEET
Engineered to Empower™

Engineering the Transition to 800 VDC Power Solutions

Rack Power Evolution and Deployment Options for Data Center Infrastructure



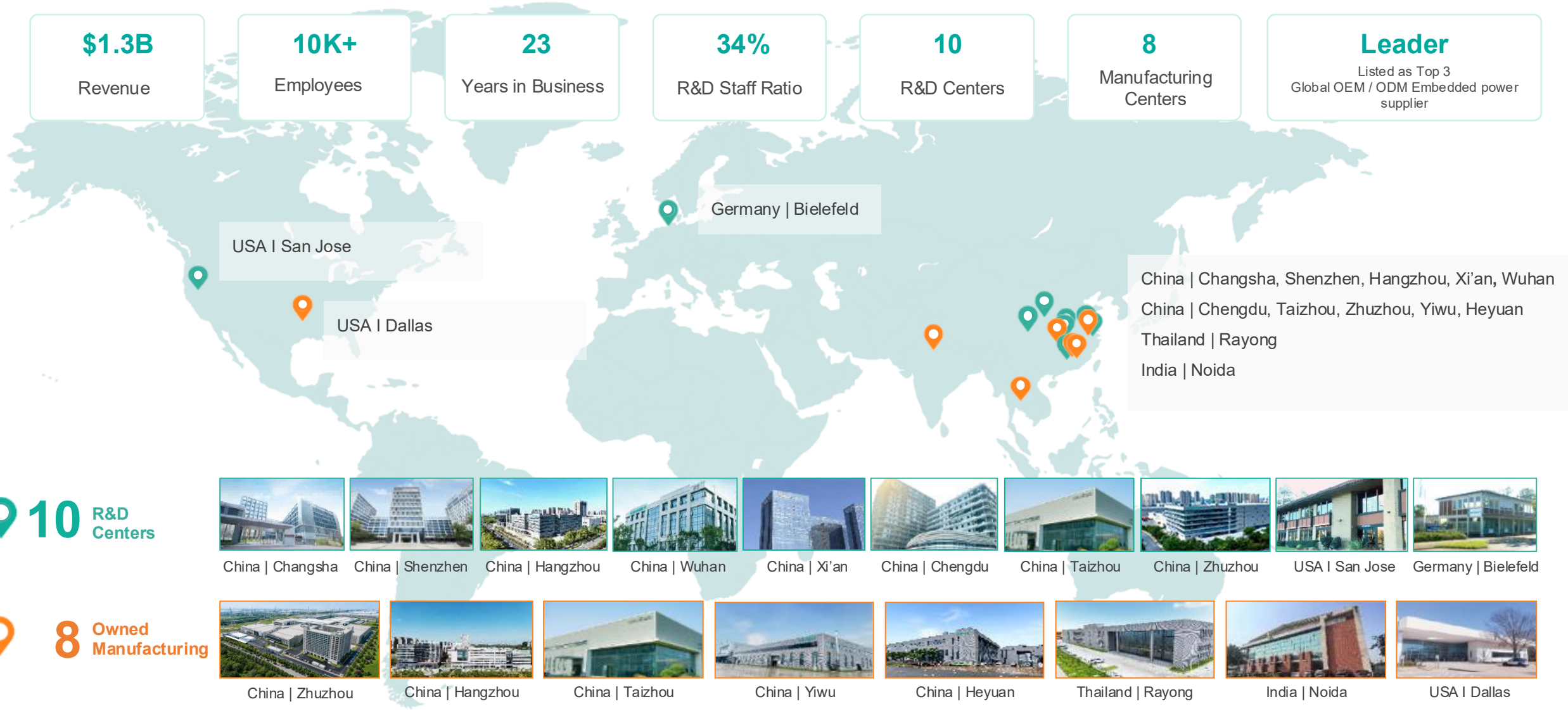
© 2026 MEGMEET. All rights reserved.

Worldwide R&D and Manufacturing Network

MEGMEET
Engineered to Empower™

A Global Leader in Power Solutions for Data Center, Industrial and e-Mobility Markets

$1.3B	10K+	23	34%	10	8	Leader
Revenue	Employees	Years in Business	R&D Staff Ratio	R&D Centers	Manufacturing Centers	Listed as Top 3 Global OEM / ODM Embedded power supplier



10 R&D Centers

China | Changsha

China | Shenzhen

China | Hangzhou

China | Wuhan

China | Xi'an

China | Chengdu

China | Taizhou

China | Zhuzhou

USA I San Jose

Germany | Bielefeld

8 Owned Manufacturing

China | Zhuzhou

China | Hangzhou

China | Taizhou

China | Yiwu

China | Heyuan

Thailand | Rayong

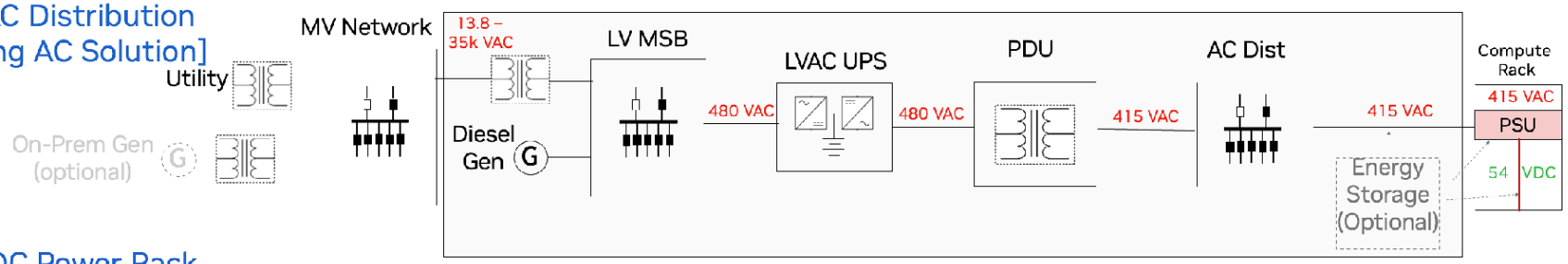
India | Noida

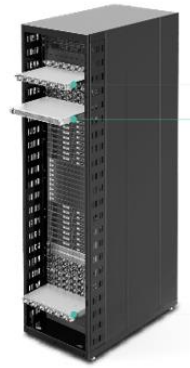
USA I Dallas

The Present & Furture: Data Center Power Architechtures

MEGMEET
Engineered to Empower™

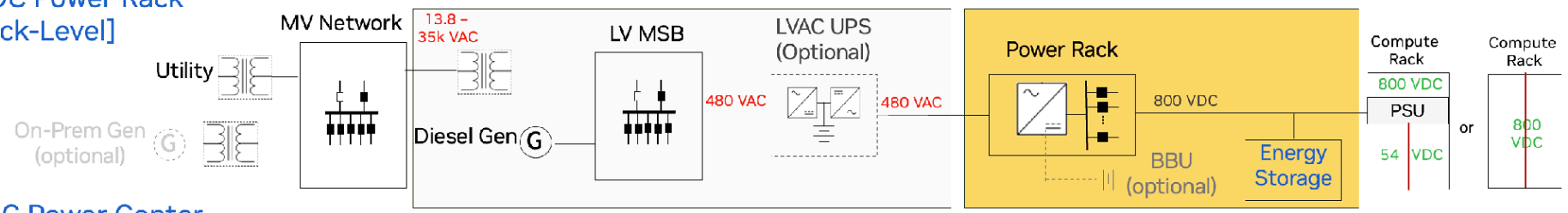
415 VAC Distribution [Existing AC Solution]





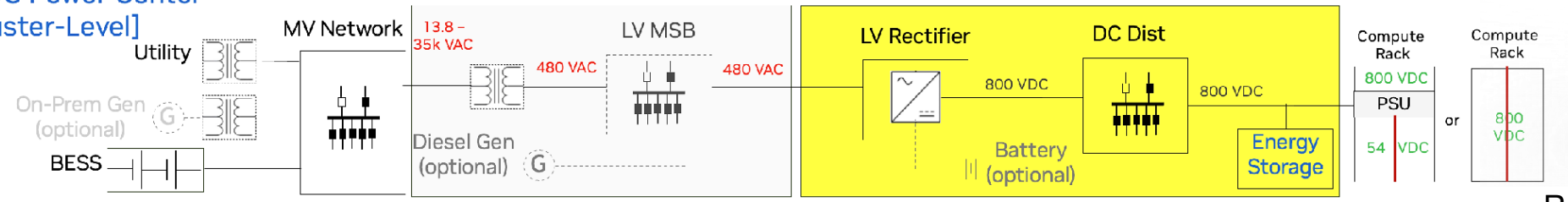
In-Rack Power Solution

800 VDC Power Rack A - [Rack-Level]



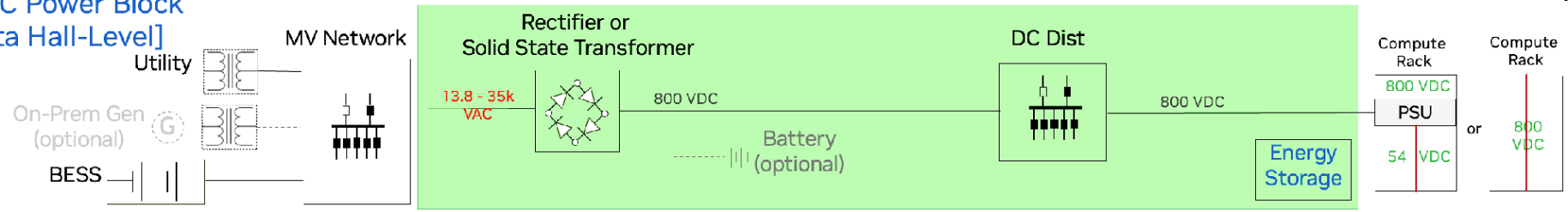


800 VDC Power Center B - [Cluster-Level]



Rack-Level Power Solution

800 VDC Power Block C - [Data Hall-Level]



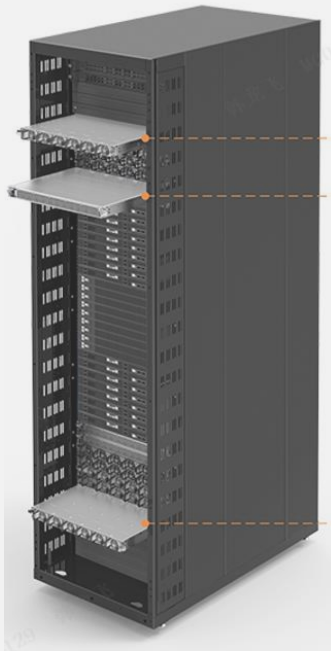


Facility-Level Power Solution

Existing Option – AC-Based Deployment Architecture

MEGMEET
Engineered to Empower™







GB200/GB300

33kw Power Shelf

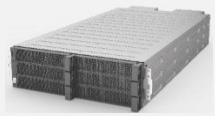


24kW Capacitor

Backup Shelf



16.8kW BBU Shelf



Vera Rubin

110KW PowerShelf



33kW Capacitor

Backup Shelf

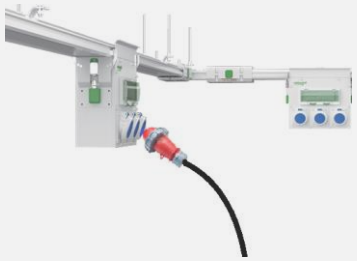


80PLUS Titanium+ & Ruby
5.5KW M-CRPS™ Series

Option A – Rack-Level Integration

MEGMEET
Engineered to Empower™





AC input

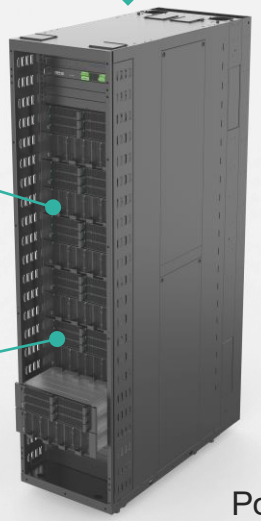
480 VAC



110KW Air-cooled 6U
Power Shelf + BBU



110KW Air-cooled
3U Power Shelf



Power Rack

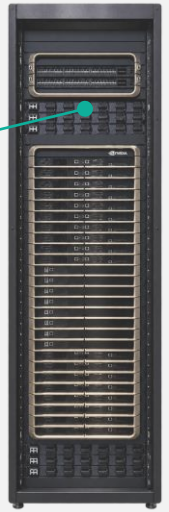
DC output

800 VDC

90KW 800 VDC - 54 VDC
Power Shelf



54 VDC
GPU Rack



MEGMEET 800 VDC Power Rack Solution

MEGMEET
Engineered to Empower™

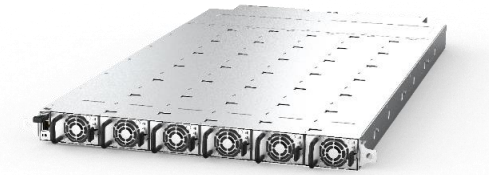
480 VAC



GPU Rack (Front) | Power Rack (Front) | GPU Rack (Front)

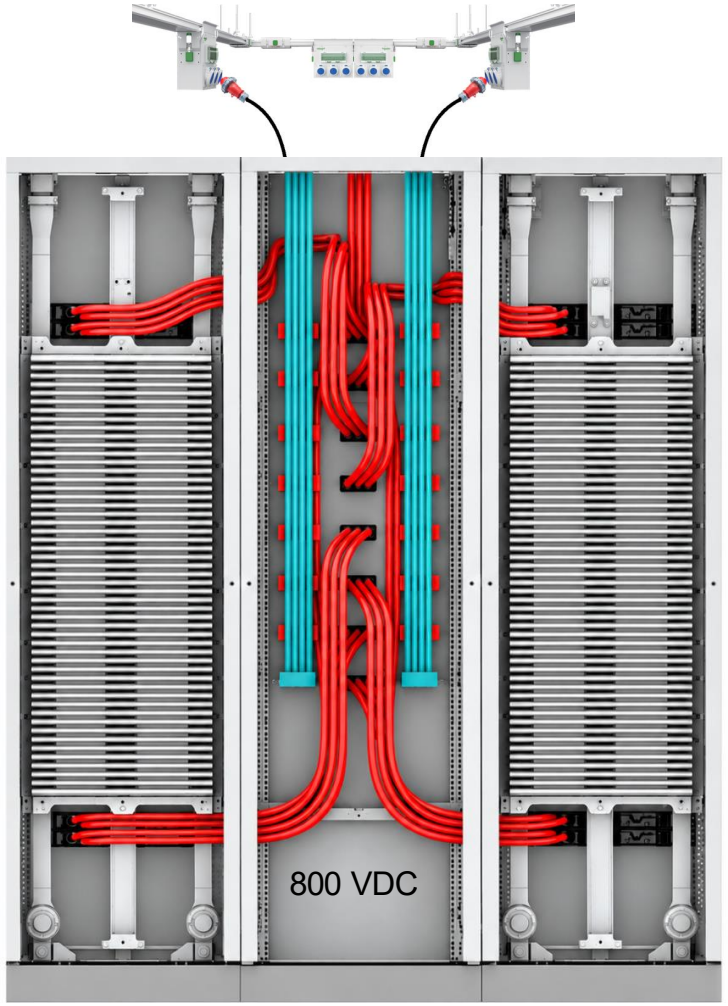


110 kW Air-cooled
6RU AC-800 VDC Power Shelf



90 kW Air-cooled
1RU 800 VDC-50VDC Power Shelf

480 VAC



GPU Rack (Back) | Power Rack (Back) | GPU Rack (Back)

Two Versions - Air & Liquid - Cooled Power Shelf

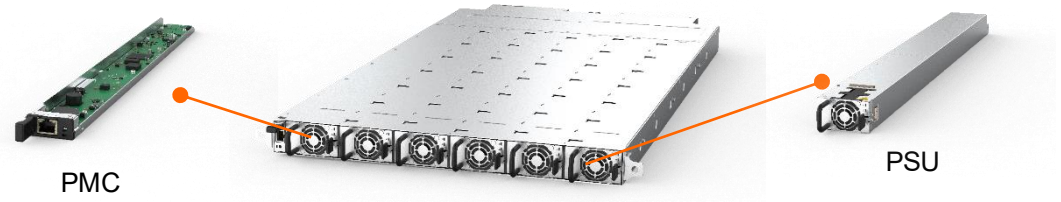
MEGMEET
Engineered to Empower™

110 kW Air-cooled 6RU AC-800 VDC Power Shelf



- Highly integrated design, incorporating fuse, contactor, and 50 VDC ～200W) output auxiliary source
- Support hot-swapping for ease of maintenance
- N+1 redundant parallel

90 kW Air-cooled 1RU 800 VDC-50VDC Power Shelf



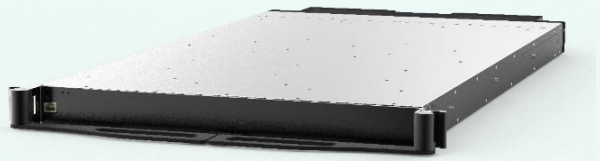
- Six rectifier slots, each supporting a 15 kW sub-module
- Standard 19-inch width, compatible with 21-inch racks via optional brackets
- Hot-pluggable rectifier, controller, and power shelf for quick online maintenance
- Up to 98% peak efficiency

100 kW Liquid-cooled 5RU AC-800 VDC Power Shelf



- EDPP up to 180% load
- Hot-Swap
- 100% Liquid-Cooled Fanless Design
- Wide Liquid Temperature Range
- UQD08 Standardized Quick Disconnects

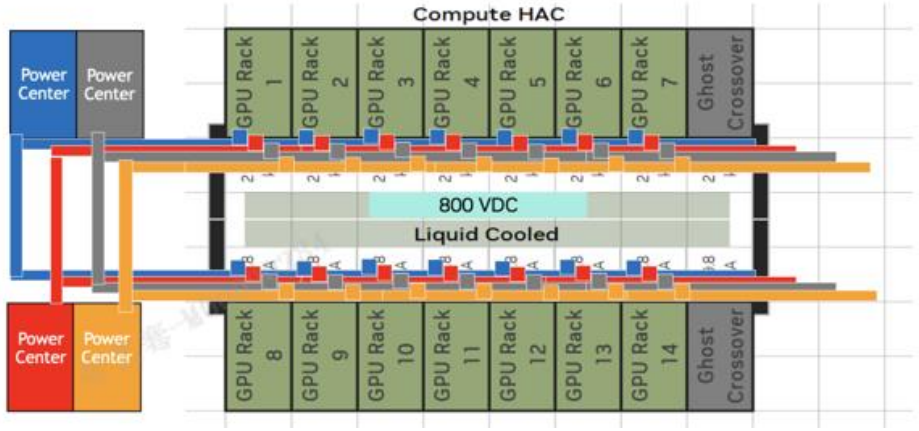
95 kW Liquid-cooled 1RU 800 VDC-50VDC Power Shelf



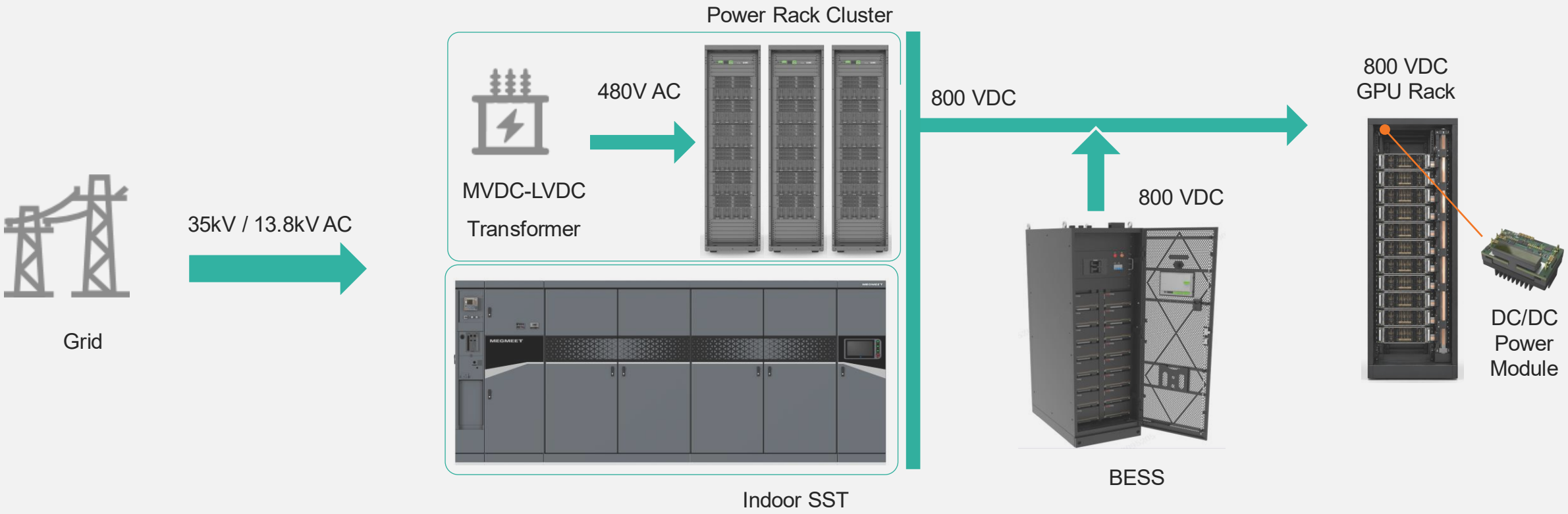
- 80 PLUS Ruby
- Support CAN, PMBus and USB
- Internal ORing
- Bootloader
- Black box record
- High power density
- Support N+1 Redundancy
- EEPROM for FRU data
- Meet IEC 62368

Option B – Cluster-Level Deployment (Power Center)

MEGMEET
Engineered to Empower™

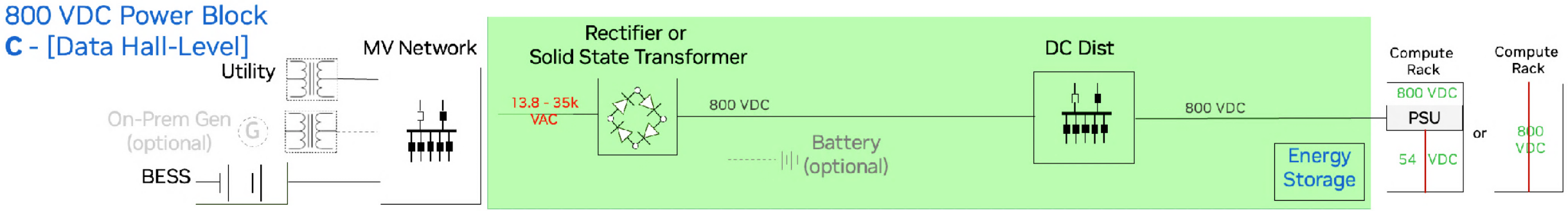






Option C – Next-Gen Architecture

MEGMEET
Engineered to Empower™





MEGMEET Power Architecture in Datacenter

MEGMEET
Engineered to Empower™



AC EDPP
Compensator

UPS

230 VAC

480V/
380 VAC



AT

33kW
Power
Shelf

110kW
Power Shelf

CAP
Shelf

50/54Vdc

BBU
Shelf

Inverter
Shelf

MV

13.8k VAC
35k VAC

3Ø

MV

480V/380 VAC



Power Rack

800 VDC



BBU/CBU



BESS
with UPS
function

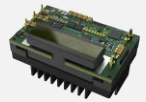


SST



80PLUS
Titanium+ & Ruby
CRPS Series

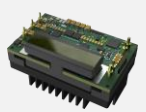
12Vdc or
54Vdc



Power Brick

1Vdc or
0.8Vdc

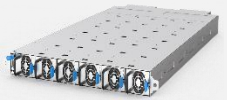




Power Brick

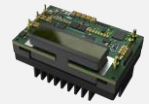
1Vdc or
0.8Vdc





800V-50V DCDC
Power Shelf

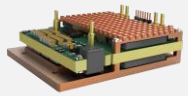
54VDC



Power Brick

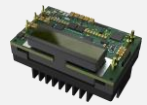
1Vdc or
0.8Vdc





PDB Solution

12Vdc or
54Vdc



Power Brick

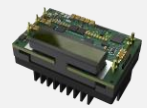
1Vdc or
0.8Vdc





800V
CRPS Series

12Vdc or
54Vdc



Power Brick

1Vdc or
0.8Vdc



MEGMEET

Engineered to Empower™