5 MWh Containerized (20ft)
Battery Energy Storage System

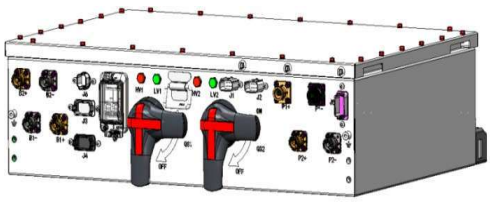


Product Features:

Lithium-Ion Battery Pack



Switchgear



- Proactive Safety Management
- Real-Time Status Monitoring
- Advanced Safety Monitoring
- Grade A LiFePO4 Cells
- High-Efficiency Conversion
- Cloud-Based Smart Management
- Sleek Aesthetic Design
- Modular Scalability
- Eco-Friendly Operation
- High Cycle Life

www.ddevcleanenergy.com

Ddev Plastiks Ltd. Clean Energy

Head Office: 2B, Pretoria St, Elgin, Kolkata, West Bengal 700071

Sales Office: First Floor, A-195, DSIDC Industrial Area, Narela, New Delhi, Delhi, 110040

Product Features:

Ddevstar5025 BESS container 20 ft HQ Specifications Sheet	
Rated Capacity kWh	5015.96 kWh
Cell Type	LFP Prismatic 3.2 V 314 Ah
Battery Pack Configuration	1P104S (332.8 V 314 Ah) 104 kWh
Battery cluster Configuration	1P416S (1331.2 V 314 Ah) 418 kWh
No. of Battey Clusters	12 nos.
Nominal Voltage	1331.2 V
Operating Voltage Range	1164.8 V -1497.6 V (2.8 V – 3.6 V)
Max Charge & Discharge	≤ 0.5 P
Operating Temp. & Humidity RH	- 20° to 55° C & 0 to 95% RH
Ingress Protection	IP55
Fire Suspension Systems	Aerosol, Water sprinkler Fire Suppression
Fire Detection	Temperature, Smoke, Combustible gas Detection
Altitude & Noise Level at 1 m	≤ 3000 m & < 75 dB(A)
Dimensions L X W X H	6058 mm x 2438 mm x 2896 mm
Service Life	>8000 cycle @ 80%DOD
Weight	44 ton
Round Trip Efficiency	≥ 94 %
Communication Protocol	CAN / RS485 / Ethernet / WI-FI
Storage Temperature	- 20° to 35°C (≤ 6 months)/- 20° to 45°C (≤ 1 month)
Cooling Method	Liquid Cooling systems
DOD	90%
Recommended Ambient Temperature	35°C ± 10 °C
Certifications	IEC 62477,61000, 62619, 60730, 63056, UN38.3, UL