

# Enertex Power Link 458



BATTERY PARAMETERS	ENERTEX POWER LINK 458
Battery Configuration	455S1P
Battery Nominal Voltage / Capacity	1456V / 314Ah
Battery Energy	457.18 kWh
Cell Type / C-Rate	Lithium Ferro Phosphate (LFP) Prismatic Type @ 0.5C
Cell Nominal Voltage / Capacity	3.2V / 314Ah
Depth of Discharge (DoD)	95%
DC Operating Voltage Range	1230V to 1635V
Battery Cycle Life	>10,000 Cycles
Maximum Charge / Discharge Current	229A
Battery Dimension (L×W×H)	1450mm × 1350mm × 2400mm
Thermal Management	Advance Intelligent Liquid Cooling
Operating Temperature Range – Charging	0°C to 50°C (<85% RH) – Above 45°C Derating
Operating Temperature Range – Discharging	-20°C to 60°C (<85% RH) – Above 45°C Derating
Working Altitude	<2000 mtr
Weight	<3 Tons
SPECIAL BATTERY PARAMETERS	
Communication Interface	RS485, Ethernet, IoT
Control & Communication	SCADA for Central Control & Monitoring Communication: Standard Industrial Protocols
Fire Suppression System	Temperature & Smoke Detector, Aerosol, Water Fire Interface
Protection Class (IEC 60529)	IP55
Anti-Corrosion Degree	C4
System Designed Service Life	10 Years (with RTE degradation)
CERTIFICATIONS	
Battery Cell	IEC 62619
Battery Pack	UN 38.3
Battery Rack	EN 62477-1, IEC 63056
System	EN IEC 61000-6-2/4