

i-G3N

INNOVATION GENERATION



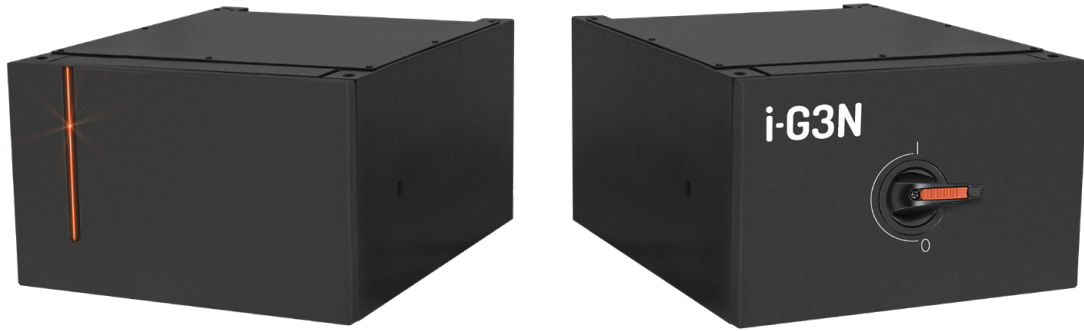
HIGH VOLTAGE

GIGA RACK

Spec Sheet

Premium, Lithium-Iron Phosphate Batteries

Level 2 BBBEE Contributor



Giga Rack	144	288
Cell Type	Lithium Iron Phosphate (LiFePO ₄) battery	
Nominal Capacity [Ah]	280	560
Module Voltage [V]	512 V _{DC} nominal	
Battery Nominal Capacity [kWh]	143.36	286.72
Capacity @ 80% DoD [kWh]	114.69	229.38
Warranty	> 10 years (6000 cycles) @ 25°C	
Max. Discharge Current (Continuous) [A]	250	500
Discharging cut-off voltage (LVD) [V]	480	
Safety	Safe cell design Prismatic cells with venting device	
BMS	BMS system with safety lines & multi-level fault detection system	
Round Trip Efficiency	96-97%	
Operating Conditions		
Temperature range (recommended)	Charge – (0°C ~ 55°C) Discharge – (-20°C ~ 55°C)	
Dimensions		
Storage Unit [mm]	770 x 1700 x 550	770 x 1700 x 1100

Can be paralleled up to 1 MW