



GE Energy Storage Reservoir Inverter Unit

Modular, Scalable Energy Storage Inverter for Utility-Scale Applications

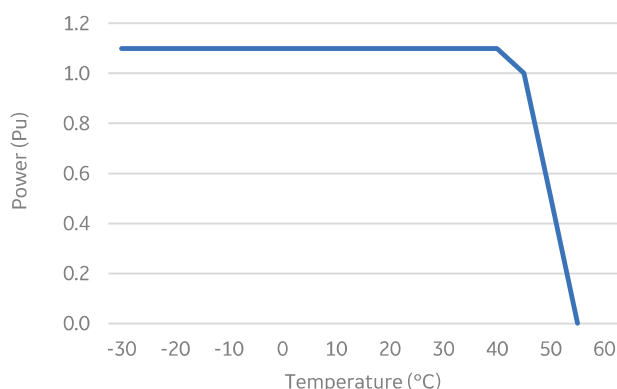
Reservoir Inverter Unit Data

SPECIFICATIONS	UNITS	RIU-2500
AC Parameters		
Nominal Power (at 45°C)	kVA _{AC}	2500
Max Power (at 40°C)	kVA	2750
Rated AC Operating Voltage (10-35kV)	V _{AC}	550
AC Operating Voltage Range	%	+ / - 10
Grid Frequency (+/-5 Hz)	Hz	50 / 60
Power Factor Range		-1.0 to 1.0
DC Parameters		
DC Input Range	V _{DC}	800-1500
Max DC Current	A	3508
Operational Parameters		
Max Efficiency	%	98.73
CEC Efficiency	%	98.50
Power Consumption at Stop	W	370
Max Power Consumption	kW	4.3
Audible Noise (at 1m)	dBA	<80
Physical Parameters		
Dimensions (L x W x H)	mm	6058 X 2438 X 2890
Weight	kg	17000
Ambient Temperature Range	°C	-30 to +50 ¹
Elevation	m	<2500 ²
IP Class / NEMA Rating		IP 54 / NEMA 3R
Cable Entry		Bottom
Communications		
External Standard		RS-485 / Ethernet / FO
Response Time	mSec	<100

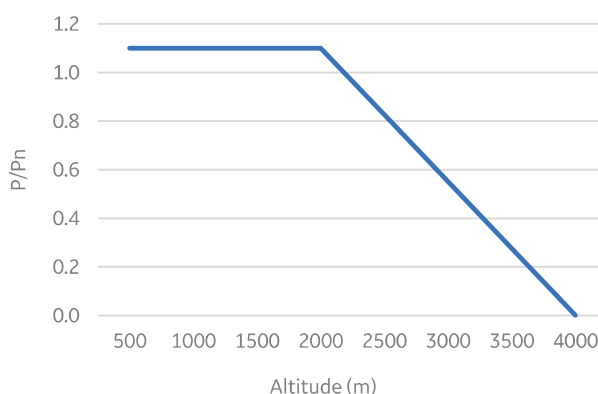
SPECIFICATIONS	UNITS	RIU-2500
Equipment		
Ground Fault Monitoring		Yes
AC Circuit Breaker		Yes (Lockable)
Fused DC Load Switch		Yes (Lockable)
Integrated LV Auxiliary Power Supply		Yes
Features		
Anti-islanding		Yes
Reactive Power Compensation		Yes
Low Voltage Ride Through (LVRT)		Yes
High Voltage Ride Through (HVRT)		Yes
Frequency Ride Through		Yes
Certifications & Compliance		
Certifications		UL 1741; IEC 62109
Compliance		SA/Rule 21; IEEE 547; IEC 62477; PRC-024 (Optional); AS300 (Optional); CE Mark

1. Lower ambient temperature -40°C optional with kit
2. Higher altitudes up to 4000m (with derating) on request

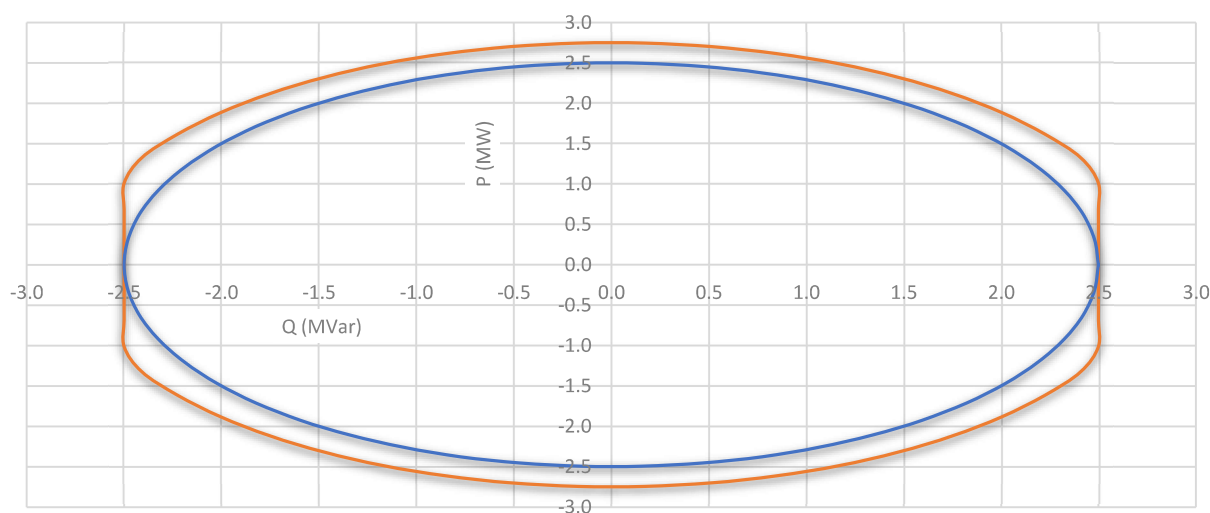
2. Temperature Rating



3. Altitude Rating



4. Nominal Capability Curve**



**≤45°C represented in blue; ≤40°C represented in orange