



Power Conversion Unit Range

Bi-directional energy storage offer

Features

- Modular design and wide power range in single cabinet
- Bi-directional, AC-Coupled Power Conversion System
- Grid-support functions
- Flexible derating available

Specifications

Model	EMGPCSxxxxACCIEC00							
	0500	0437	0375	0312	0250	0187	0125	0062
Utility-interactive Mode								
DC parameters								
Battery voltage range	600~900Vdc							
Battery Maximum DC current	873A	763A	654A	545A	436A	327A	218A	109A
AC parameters								
AC voltage	400V							
AC voltage range	340V~460V							
AC current	720A	630A	540A	450A	360A	270A	180A	90A
Maximum AC current	792A	693A	594A	495A	396A	297A	198A	99A
Nominal AC power	500kVA	437.5kVA	375kVA	312.5kVA	250kVA	187.5kVA	125kVA	62.5kVA
Maximum AC power	550kVA	481.2kVA	412.5kVA	343.8kVA	275kVA	206.2kVA	137.5kVA	68.7kVA
AC Frequency	50/60Hz (+/-2.5Hz)							
Current harmonic distortion rate	≤3%							
AC Power factor	Listed: 0.8~1 leading or lagging (controllable) Actual: 0.1~1 leading or lagging (controllable)							
Stand-alone Mode								
DC parameters								
Battery voltage range	600~900Vdc							
Battery Maximum DC current	873A	763A	654A	545A	436A	327A	218A	109A
AC parameters								
AC voltage	400V							
AC voltage range	340V~460V							
AC output current	720A	630A	540A	450A	360A	270A	180A	90A
Maximum AC output current	792A	693A	594A	495A	396A	297A	196A	99A
Nominal AC output power	500kVA	437.5kVA	375kVA	312.5kVA	250kVA	187.5kVA	125kVA	62.5kVA
Maximum AC output power	550kVA	481.2kVA	412.5kVA	343.8kVA	275kVA	206.2kVA	137.5kVA	68.7kVA
AC output Frequency	50/60Hz (+/- 2.5 Hz configurable)							
Voltage harmonic distortion rate	≤2% (linear load)							
AC Power factor	Listed: 0.8~1 leading or lagging (load dependant) Actual: 0.1~1 leading or lagging (load dependant)							
Overload capability	105%~115%		10mn					
	115%~125%		1mn					
	125%~150%		200ms					