

# BEG250K-A

## Isolated Grid-tied Converter

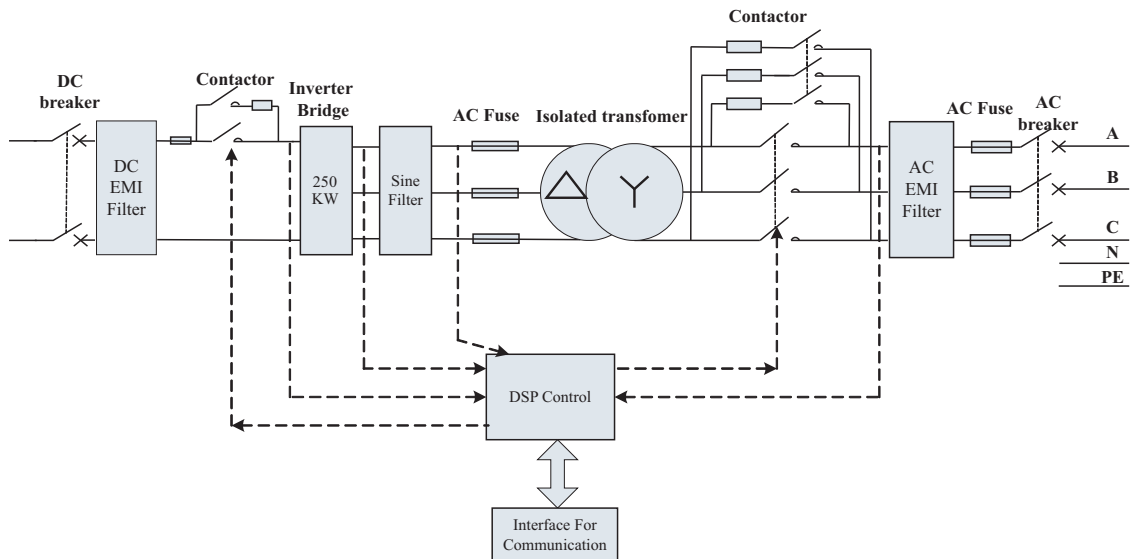


Wide-range of DC input voltage  
DSP control, true sine-wave outputs  
High Efficiency, High Power Factor  
Advanced IGBT power devices

Perfect DC/AC Protection  
RS485/CAN/Ethernet/  
GSM communication interface(optional)  
Transformer Isolated

Auxiliary electric heating (optional)  
Low voltage ride-through,  
reactive power adjustable, act  
CQC Certification

### System Diagram



## Technical Data

DC Side Data	
Max. DC Voltage	1000Vdc
DC Voltage Range	700~900Vdc
Nominal Power(Charge)	250kW
Nominal Power(Discharge)	260kW
Max. Permissible DC Current	425A
AC Side Data	
Nominal AC Power(Discharge)	250kW
Nominal AC Power(Charge)	260kW
Permissible Grid Voltage;Range	400V;340-440V
Permissible Grid Frequency; Range	50Hz;48-50.5Hz
Power Factor	≥0.99(Nominal power)
THD of AC Current	< 5%(Nominal power)
System Data	
Max Efficiency	96.5%
Isolation Method	Transformer isolated
Degree of Protection	Ip20 (Indoor )
Cooling Method	Controlled forced-air cooling
Noise	< 70dB
Permissible Altitude	2000M
Permissible Ambient Temperature	-25~+55°C
Permissible Relative Humidity	0~95%,(Non-condensing)
Display and Communication	
Display	Touch controlpanel
Communication Method	Ethernet
Protect Function	
Short Circuit Protection	Yes
Overload Protection	Yes
DC Over/Under Voltage Protection	Yes
AC Over/Under Voltage Protection	Yes
AC Over/Under Frequency Protection	Yes
Over Temperature Protection	Yes
DC Reverse Connection Protection	Yes
Islanding Protection	Active and passive control
Mechanical Dimensions	
Dimension ( L×D×H )	2400×1240×2000mm
Weight	2800kg
Reference Standard	GB/T 19939-2005; IEC 62109 ;IEC 62116