



ON-Grid Inverter

G3K-10K

1P-EU

Features:

Efficient Higher Revenue

- 2 MPP Trackers , Max.input current per string: 20A
- 150% DC Input Oversizing
- Compatible with high power modules

Intelligent Simple O&M

- Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
- Intelligent Fault Detection: AC side voltage and current wave forms real-time recorded, fast fault location
- Support RS485/WiFi/4G: remote monitoring and operation via PC or mobile phones

Reliable Worry Free

- IP66 Protection Degree: support outdoor installation
- DC & AC Type II SPD: prevent lightning damage
- AFCI Function (Optional): when an arc-fault is detected the inverter immediately stops operation



MODEL	G3K-1PEU	G3.68K1PEU	G4K1PEU	G4.2K1PEU	G4.6K1PEU	G5K1PEU	G6K1PEU1	G7K1PEU	G8K1PEU	G10K1PEU	G7K1PEU1	G8K1PEU1	G10K1PEU1
Input (DC)													
Max. Input Power	4.5kW	5.52kW	6kW	6.3kw	6.9kW	7.5kW	9kw	10.5kW	12kW	15kw	10.5kW	12kw	15kW
Max. Input Voltage	600V												
Start Voltage	80V												
Rated Input Voltage	360V												
Full-load MPP Voltage Range	120V~480V	135V~480V	145V~480V	150V ~480V	160V~480V	170V~480V	190V~480V	230V ~480V	250V ~480V	290V ~480V	230V ~480V	250V ~480V	290V~480V
MPPT Voltage Range	80V~560V												
Number of MPP Trackers	2												
Number of String per MPPT	1/1										1/2		
Max. Current per MPPT	20A										14A/28A		
Max ShortCircuitCument perMPPT	26A										18.2A/36.4A		
Output (AC)													
Max. Output Current	15A	16A	20A	21A	23A	25A	30A	35A	40A	45.5A	35A	40A	45.5A
Rated Output Power	3kW	3.68kW	4kW	4.2kW	4.6kw	5kW	6kW	7kW	8kW	10kW	7kW	8kW	10kW
Max. Output Power	3.3kVA	3.68kVA	4.4kVA	4.62kVA	5kVA	5.5kVA	6.6kVA	7.7kVA	8.8kVA	10kVA	7.7kVA	8.8kVA	10kVA
Rated Grid Frequency	50Hz/60HZ												
Rated Grid Voltage	220Vac/230Vac/240Vac												
Power Factor	>0.99 (0.8 leading ~ 0.8 lagging												
THDi	<3% (Rated Power)												
Efficiency													
Max. Efficiency	98.10%	98.30%					98.10%						
European Efficiency	97.30%	97.40%					97.30%						
MPPT Efficiency	99.90%												
Protection													
DC Reverse Polarity Protection	Yes												
Anti-islanding Protection	Yes												
AC short Circuit Protection	Yes												
Residual Current MonitoringUnit	Yes												
Insulation Resistance Monitoning	Yes												
Ground Fault Monitoring	Yes												
Grid Monitoring	Yes												
PV String Monitoring	Yes												
Surge Protection	Type II												
AFCI Protection	Optional												
Communication													
Display	LCD/LED+APP												
Communication	RS485 /WiFi/4G												
Standard Compliance													
Certification	IEC/EN 62109-1/2,EC/EN 61000-6-1/3,EN50549,IEC61727/EC62116,CE10-21,C10/C11G98/G99, RD244,UNE217001,UNE217002, TOR Erzeuger, AS4777,ABNT, NB/T 32004												
General Data													
Dimensions (WxHxD)	380x380 x160mm												
Weight	13kg												
Operating Temperature Range	-30°C ~ +60°C												
Cooling Method	Natural										Smart Cooling		
Cooling Method	IP66												
Max. Operating Altitude	4000m												
Relative Humidity	0~100%												
Topology	Transformerless												
Night Power Consumption	<1W												

a:ForAS4777,Rated Output Power ofWG5KTL is 4999W.

b: For VDE-AR-N 4105,Max, Output Power ofWG4K6TL is 4600VA.For AS4777,Max. Output Power of WG4K6TL is 4999VA.

c:ForAS4777,Max. Output Power ofWG5KTL is 4999VA.

d:ForAS4777,Max. Output Current ofWG4K6TL and WG5KTL is 21.7A.



ON-Grid Inverter

G3K-15K

3P-EU

Features:

Efficient Higher Revenue

- 2MPP Trackers, high single circuit tracking accuracy, fast dynamic response
- 160% DC Input Oversizing
- Wide MPPT voltage range:180V-1000V
- Compatible with high power modules

Intelligent Simple O&M

- Smart IV Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
- intelligent Fault Detection: Acside voltage and current waveforms real-time recorded, fast fault location
- Support RS485 (WiFi/GPRS/Ethernet optional): remote monitoring and operation via PC or mobile phones

Reliable Worry Free

- IP65 Protection degree: support outdoor installation
- DC & AC Type II SPD: prevent lightning damage
- AFCI Function (Optional): when an arc-fault is detected the inverter immediately stops operation



MODEL	G3K-3PEU	G4K-3PEU	G5K-3PEU	G6K-3PEU	G7K-3PEU	G8K-3PEU	G9K-3PEU	G10K-3PEU	G11K-3PEU	G12K-3PEU	G13K-3PEU	G15K-3PEU
Input (DC)												
Max.Input Power (for module STC)	4.5KW	6KW	7.5KW	9KW	10.5KW	12KW	13.5KW	15KW	16.5KW	18KW	19.5KW	22.5KW
Max. DC Voltage	1100V											
Start-up Voltage	180V											
Nominal Voltage	600V											
MPPT Voltage Range	140-1000v											
No. of MPPT Trackers	2											
No. of PV Strings per MPP Tracker	1/1			1/2								
Max.Input Current per MPP Tracker	16A/16A			16A/32A								
Output (AC)												
Nominal Output Power	3kw	4kw	5kw	6kw	7kw	8kw	9kw	10k	11kw	12kw	13kw	15kw
Max. AC Apparent Power	3.3KVA	4.4KVA	5.5KVA	6.6KVA	7.7KVA	8.8KVA	9.9KVA	11.1KVA	12.1KVA	13.2KVA	14.3KVA	16.5KVA
Nominal AC Voltage(Range)	230/400V(340-440V)											
AC Grid Frequency (Range)	50/60HZ(45-55/55-65HZ)											
Max.Output Current(PF=0.9)	4.8A	6.4A	8.0A	9.6A	11.2A	12.8A	14.4A	15.9A	17.5A	19.1A	20.7A	23.9A
Power factor(adjustable)	0.8leading-0.8lagging											
THDi	<3%											
AC Grid Connection Type	3L/N/PE or 3L/PE											
Efficiency												
Max. Efficiency	98.40%			98.50%							98.60%	
European Efficiency	97.50%			98.00%							98.10%	
MPPT Efficiency	99.90%			99.90%							99.90%	
Protection												
Anti Reverse Power Function	Optional											
DC Reverse Polarity Protection	Yes											
DC Switch	Yes											
AC/DC Surge Protection	Yes											
Insulation Resistance Monitoring	Yes											
AC Short-circuit Protection	Yes											
Grid Monitoring	Yes											
Anti-islanding Protection	Yes											
Residual-current Monitoring Unit	Type II											
AFCI Protection	Optional											
String Fault Monitoring	/			Optional								
General Data												
Dimensions (W×H×D)	440*370*140mm			440*370*186mm							440*370*186mm	
Weight	13kg			16kg							18kg	
Operating Temperature Range	-25~+60C,(>45C Derating)											
Relative Humidity	0 - 100%											
Altitude	4000 m (>2000 m derating)											
Self-consumption at Night	<1 W											
Topology	Transformerless											
Cooling	Natural Cooling											Intelligent Air Cooling
Protection Degree	IP66											
DC Connection	H4 / MC4(Optional)											
AC Connection	Connector											
Guarantee Period	5 Years / 10Years(Optional)											
Display and Communication												
Display	LED&LCD											
Communication	Yes:RS485/USB, Optional:4G/WiFi											
Criteria Met												
Grid Connection Standards	G98/G99, VDE0126, VDE4105, VDE0124, EN50549-1/2, CEI 0-21/CEI 0-16, AS4777.2, IEC61727, IEC62116, PEA, MEA											
Safety Standards	IEC62109-1/2, IEC62116, IEC61727, IEC61683, IEC60068(1,2,14,30)											
EMC Standards	EN61000-6-1/2/3/4											



ON-Grid Inverter

G33-40K

3P-EU

Features:

Efficient Higher Revenue

- 3-4 MPP Trackers, high single circuit tracking accuracy, fast dynamic response
- 160% DC Input Oversizing
- Maximum efficiency of &%. Wide MPPT voltage range: 200V-1000V
- Compatible with high power modules

Intelligent Simple O&M

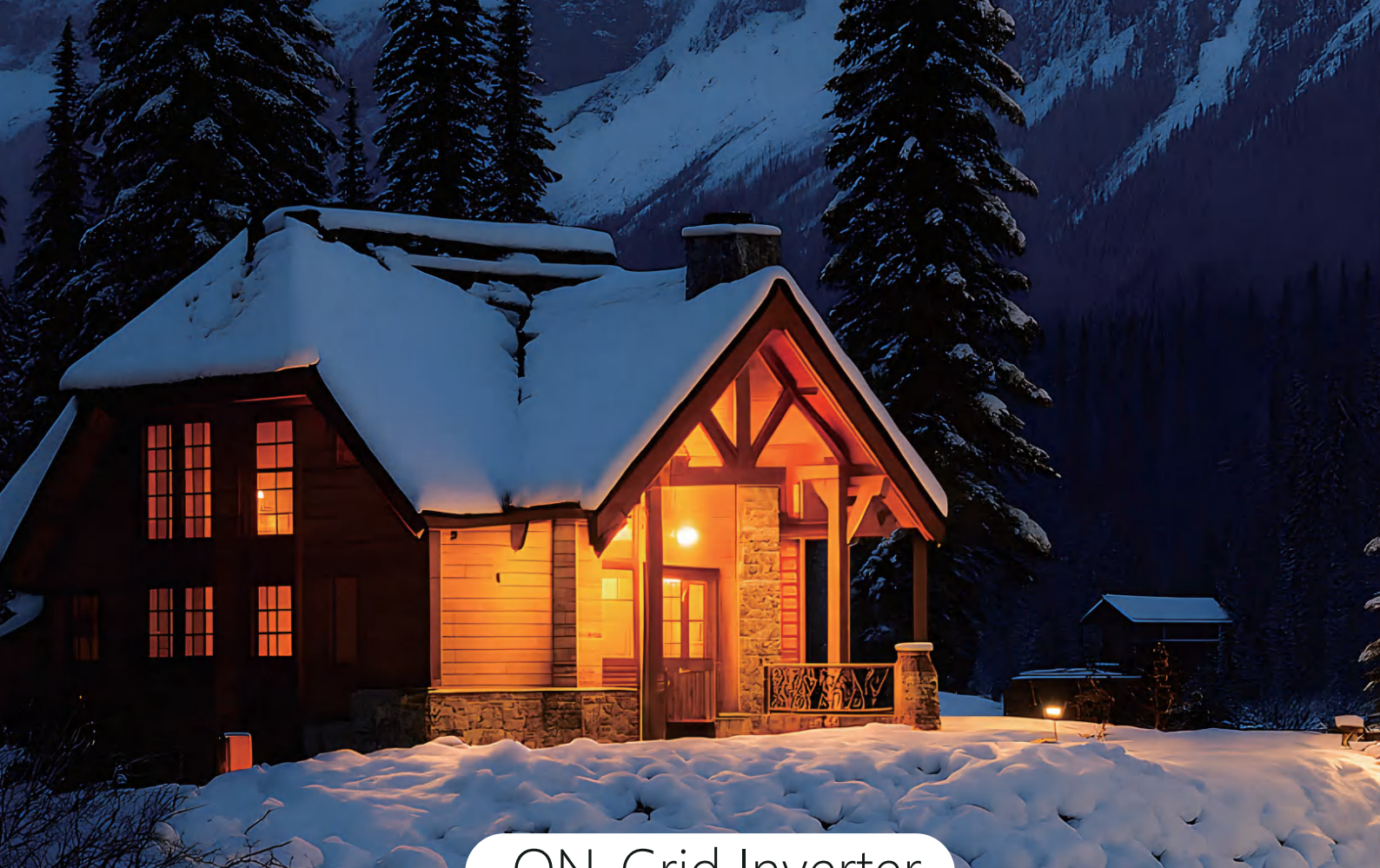
- Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
- Intelligent Fault Detection: ACside voltage and current waveforms real-time recorded, fast fault location
- Support RS485(WiFi/GPRS/Ethernet optional): remote monitoring and operation via PC or mobile phones

Reliable Worry Free

- IP65 Protection degree: support outdoor installation
- DC & AC Type II SPD: prevent lightning damage
- AFCI Function (Optional): when an arc-fault is detected the inverter immediately stops operation



MODEL	G33K-3PEU	G36K-3PEU	G40K-3PEU
Input Data(DC)			
Max.Input Power (for module STC)	49.5KW	54KW	60KW
Max. DC Voltage	1100V		
Start-up Voltage	180V		
Nominal Voltage	600V		
MPPT Voltage Range	200-1000v		
No. of MPPT Trackers	3	3	3
No. of PV Strings per MPP Tracker	2/2/2	2/2/2	2/2/2
Max.Input Current per MPP Tracker	40A*3	40A*3	40A*4
Output Data(AC)			
Nominal Output Power	33kw	36kw	40kw
Max. AC Apparent Power	36KVA	39.6KVA	44KVA
Nominal AC Voltage(Range)	230/400V(340-440V)		
AC Grid Frequency (Range)	50/60HZ(45-55/55-65HZ)		
Max.Output Current(PF=0.9)	54.5A	60A	66.7A
Power factor(adjustable)	0.8leading-0.8lagging		
THDi	<3%		
AC Grid Connection Type	3L/N/PE or 3L/PE		
Efficiency			
Max. Efficiency	98.40%		
European Efficiency	98.00%		
MPPT Efficiency	99.90%		
Protection			
DC Reverse Polarity Protection	Yes		
DC Switch	Yes		
AC/DC Surge Protection	Yes		
Insulation Resistance Monitoring	Yes		
AC Short-circuit Protection	Yes		
Grid Monitoring	Yes		
Anti-islanding Protection	Yes		
Residual-current Monitoring Unit	Yes		
AFCI Protection	Optional		
String Fault Monitoring	Optional		
General Data			
Dimensions (W×H×D)	590*480*237mm		
Weight	32kg	34kg	35kg
Operating Temperature Range	-25~+60C,(>45C Derating)		
Relative Humidity	0 - 100%		
Altitude	4000 m (>2000 m derating)		
Self-consumption at Night	<1 W		
Topology	Transformerless		
Cooling	Natural Cooling		
Protection Degree	IP66		
Guarantee Period	5 Years / 10Years(Optional)		
Display and Communication			
Display	LED&LCD		
Communication	Yes:RS485/USB, Optional:4G/WiFi		
Criteria Met			
Grid Connection Standards	G98/G99, VDE0126, VDE4105, VDE0124, EN50549-1/2, CEI 0-21/CEI 0-16, AS4777.2, IEC61727, IEC62116, PEA, MEA		
Safety Standards	IEC62109-1/2, IEC62116, IEC61727, IEC61683, IEC60068(1,2,14,30)		
EMC Standards	EN61000-6-1/2/3/4		



ON-Grid Inverter

G50-60K

3P-EU

Features:

Efficient Higher Revenue

- 3-4 MPP Trackers, high single circuit tracking accuracy, fast dynamic response
- 160% DC Input Oversizing
- Maximum efficiency of &%. Wide MPPT voltage range: 200V-1000V
- Compatible with high power modules

Intelligent Simple O&M

- Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
- Intelligent Fault Detection: ACside voltage and current wave forms real-time recorded, fast fault location
- Support RS485(WiFi/GPRS/Ethernet optional): remote monitoring and operation via PC or mobile phones

Reliable Worry Free

- IP65 Protection degree: support outdoor installation
- DC & AC Type II SPD: prevent lightning damage
- AFCI Function (Optional): when an arc-fault is detected the inverter immediately stops operation



MODEL	G50K-3PEU		G60K-3PEU	
Input Data(DC)				
Max.Input Power (for module STC)			1100V	
Max. DC Voltage			180V	
Start-up Voltage			600V	
Nominal Voltage			600V	
MPPT Voltage Range			160-1000V	
No. of MPPT Trackers			4	
No. of PV Strings per MPP Tracker			2/2/2/2	
Max.Input Current per MPP Tracker			40/40/40/40A	
Max.DC Short-circuit Current per MPPT			60/60/60/60A	
Output Data(AC)				
Rated AC Output Power	50kw		60kw	
Max. AC Apparent Power	55KVA		66KVA	
Nominal Output Voltage			400V,3W+N+PE or 3Q+PE	
AC Grid Frequency (Range)			50/60HZ(45-55/55-65HZ)	
Max.Output Current(PF=0.9)	79.7A		95.7A	
Power factor(adjustable)			>0.99 , 0.8leading-0.8lagging	
Max.Total Harmonic Distortion			<3%(at nominat power)	
Efficiency				
Max. Efficiency			98.60%	
European Efficiency			98.30%	
MPPT Efficiency			99.90%	
Protection&Function				
DC Reverse Polarity Protection			Integrated	
DC Switch			Integrated	
PV Insulation Resistance Detection			Integrated	
Grid Monitoring			Integrated	
Leakage Current Protection			Integrated	
Anti - islanding Protection			Integrated	
AC Short Circuit Protection			Integrated	
Smart I - V Curve Diagnosis			Integrated	
Surge Protection			DC Type II&AC Type II	
PV String Current Monitoring			Optional	
Arc Fault Circuit Interrupter (AFCI)			Optional	
PID Recovery			Optional	
Anti - reflux Protection			Optional	
General Data				
Dimensions (W×H×D)			590*480*237mm	
Weight	34kg		35kg	
Operating Temperature Range			-30~+60C,(>45C Derating)	
Relative Humidity			0 - 100%	
Altitude			4000 m (>2000 m derating)	
Self-consumption at Night			<1 W	
Topology			Transformerless	
Cooling Method			Smart Fan Cooling	
Protection Degree			IP66	
DC Connection			MC4	
AC Connection			OT/DT terminal	
Display and Communication				
Display			LED,WiFi/Bluetooth+APP	
Communication			Integrated:RS485/4G, Optional:USB/WiFi/Bluetooth	
Standard Compliance				
Certification			NB/T32004,EN 50549 - 1/2,VDE - AR - N 4105,CEI 0 - 21,RD 1699	
Compliance			IEC62109 - 1/2,IEC62116,IEC61727,IEC61683,IEC60068(1,2,14,30),GB/T 37408	
EMC Compliance			EN61000 - 6 - 1,EN61000 - 6 - 2,EN61000 - 6 - 3,EN61000 - 6 - 4	