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10,000+
Solar Installations
done



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Solar Channel
Partners



50+
City
Served



150+
Team
Members



ABOUT US

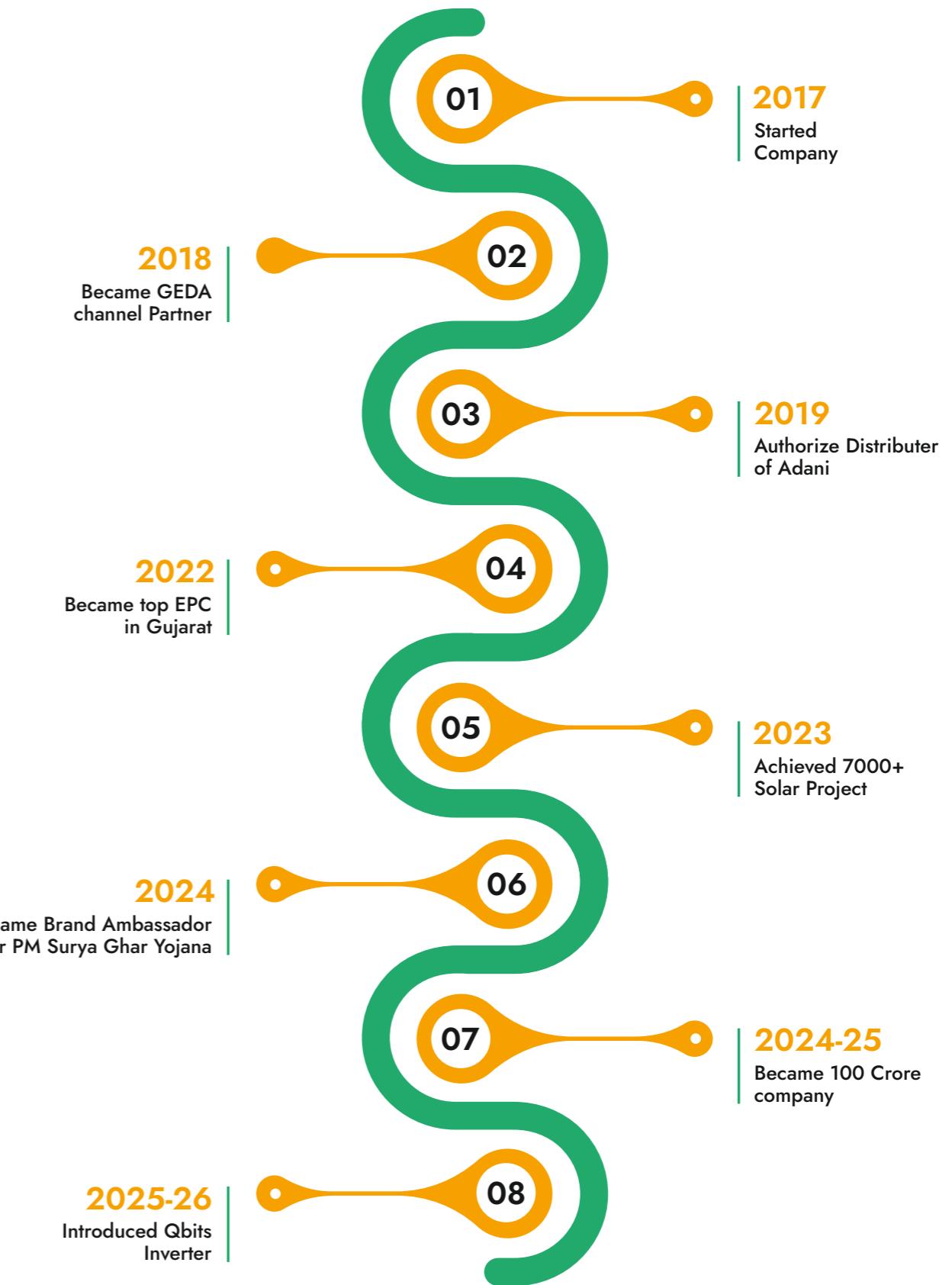
Qbits, a flagship brand under Heaven Green Energy Limited, is redefining solar power with innovation, reliability, and advanced technology. With a strong legacy of engineering excellence and sustainability from our parent company, Qbits is committed to delivering a complete range of residential, commercial, and industrial solar inverters, including hybrid inverters and battery energy storage systems (BESS).

Backed by Heaven Green Energy Limited's 8+ years of experience in solar EPC, manufacturing, and clean energy innovation, Qbits inherits a deep understanding of India's solar landscape and global renewable demands. Our inverters are designed with selected branded BOM (Bill of Materials) for electronic components to ensure top-tier performance, long life, and safety.

Our vision is clear to make high-tech, affordable solar technology accessible to every rooftop and businesses around the world. Qbits stands at the intersection of cutting-edge engineering and economic efficiency, empowering customers to achieve energy independence and sustainable growth. components to ensure top-tier performance, long life, and safety.

Our Milestone Journey

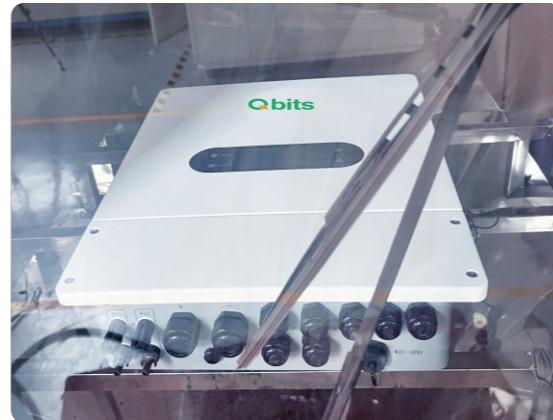
Our consistent growth and achievements reflect our commitment to excellence and innovation in the solar energy sector.



Fully Automated Production Facility

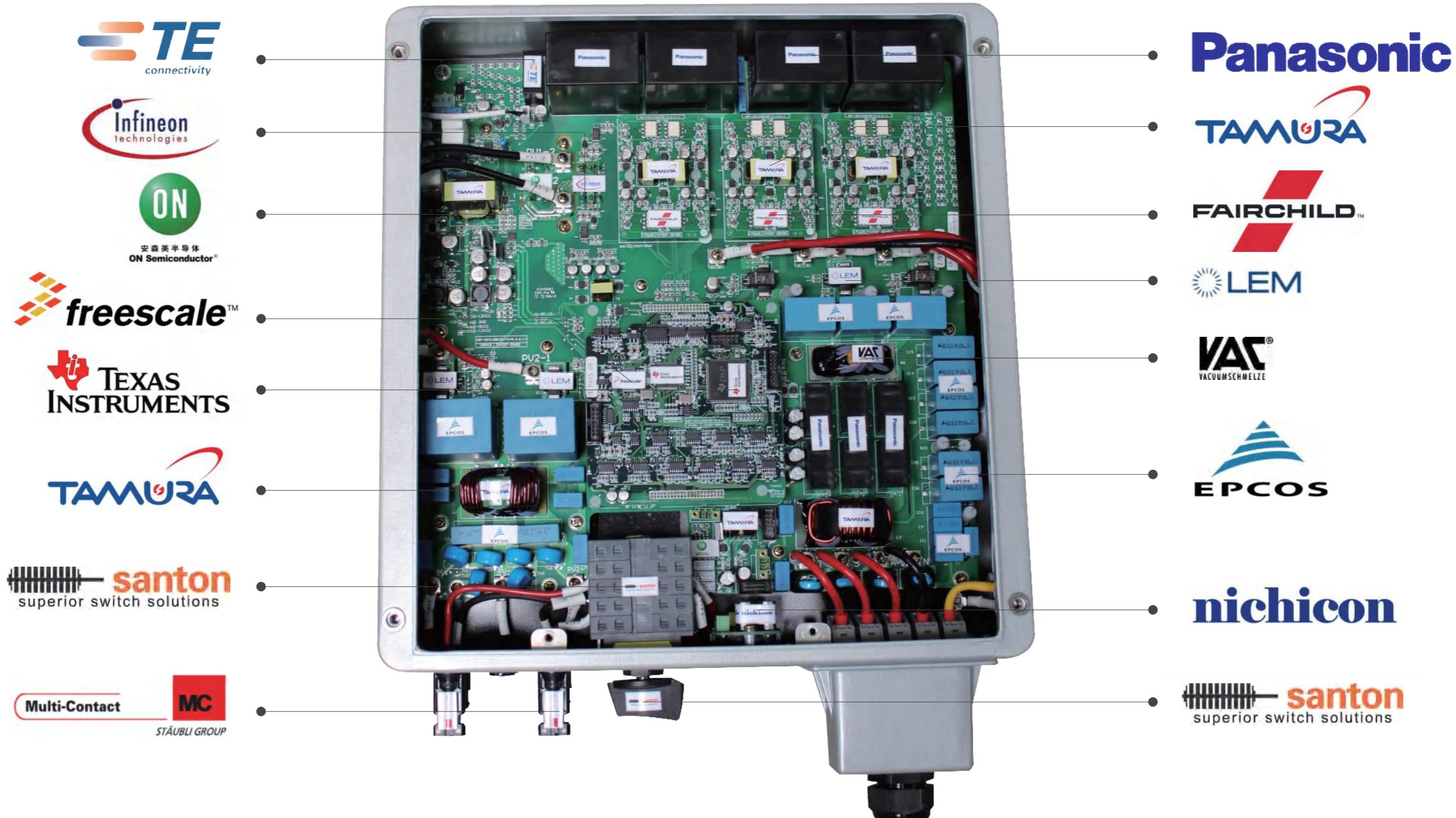
1000+ tests

A 1000+ test on an inverter refers to testing its performance and efficiency with a load exceeding 1000 watts. It helps assess the inverter's ability to power multiple appliances or devices simultaneously.



Qbits boasts with whole production lines, from the most original SMT circuit board production to the final high temperature aging test. Its full series of automatic production equipment and refined management of whole process inspection make it achieve international leading technical level.

Our BOM, Our Quality



Heart of Inverter !

On-grid inverter

QB -1.5/2.0/2.7/3.0/3.3/3.6/4.0KTLS

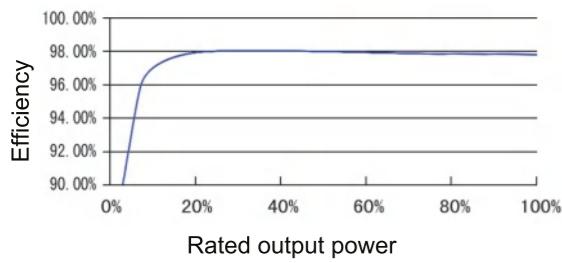
TLS series

single-phase & single-MPPT



EFFICIENCY CURVE

Vdc=360V



IS 15221(PART-2)2015/IEC 62109-2:2011
IS 16189:2014/IEC 62116:2000



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TECHNICAL DATA

Model Name	QB-1.5KTLS	QB-2.0KTLS	QB-2.7KTLS	QB-3.0KTLS	QB-3.3KTLS	QB-3.6KTLS	QB-4.0KTLS
Input							
Max. DC input power	3000W	4000W	5400W	6000W	6600W	7200W	8000W
Max. DC input voltage				550V			
Max. DC input current				20A			
MPPT voltage range				40-550V			
Recommended MPPT operating voltage				360V			
Starting voltage				50V			
No.Of MPPT				1			
Max. no. of strings per MPPT				1			
Output							
Rated output power	1500W	2000W	2700W	3000W	3300W	3600W	4000W
Max. output power	1650VA	2200VA	2970VA	3300VA	3630VA	3960VA	4400VA
Max. output current	7.5A	10A	13.5A	15A	15A	16.5A	18.5A
Rated grid voltage				220/230/240V			
Grid voltage range				90-290Vac			
Rated grid frequency				50Hz/60Hz			
Grid frequency range				45-55Hz/55-65Hz			
THD				<3% (Under rated power)			
Power factor				>0.99 (Under rated power) / Adjustable range: 0.8 leading-0.8 lagging			
DC current injection				<0.5% (Under rated power)			
System Data							
Max. efficiency				98.00%			
Euro. efficiency				97.00%			
Humidity range				0-100% non-condensing			
Cooling type				Natural cooling			
Temperature range				-25~+60°C			
Power consumption at night				<1W			
Max. working altitude				4000m			
Display				LED(optional: LCD)			
Communication interface				WIFI(optional: RS485 or GPRS)			
Protection							
DC reverse-polarity protection				YES			
Short circuit protection				YES			
Output over current protection				YES			
Output over voltage protection				YES			
Insulation resistance monitoring				YES			
Residual current detection				YES			
Surge protection				YES			
Grid monitoring				YES			
Islanding protection				YES			
Temperature protection				YES			
Integrated DC switch				Optional			
Mechanical Data							
Dimensions (W*H*D)				295*210*120mm			
Weight				5.5kg			
Protection class				IP66			
Standard							
Safety standard/EMC standard				NB/T32004-2018, IEC62109, IEC61000, IS16169 & IS16221(BIS)			
Grid-connected standard				IEC61727, EN50549-1, VDE-4105, NRS-097-2-1, OVE-Richtlinie R25, UNE217001/2, Ordinance No.140			
Other standard				IEC61683, IEC62116, EN50530, IEC60068			

On-grid inverter

QB-4.6/5/6KTLD-S

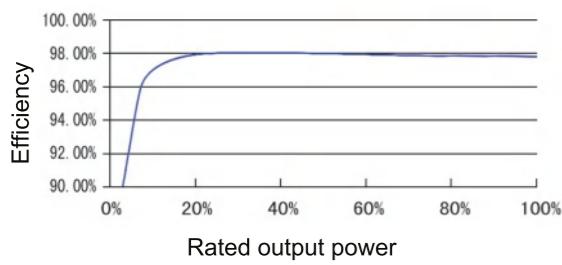
TLS series

single-phase & single-MPPT



EFFICIENCY CURVE

Vdc=360V



IS 15221(PART-2)2015/IEC 62109-2:2011
IS 16189:2014/IEC 62116:2000



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TECHNICAL DATA

Model Name	QB-4.6KTLD-S	QB-5KTLD-S	QB-6KTLD-S
Input			
Max. DC input power		7500W	
Max. DC input voltage		600V	
Max. DC input current		20A	
MPPT voltage range	40-600V		
Recommended MPP	360V		
Starting voltage	50V		
No.Of MPPT	1		
Max. no. of strings per MPPT	1		
Output			
Rated output power	4600W	5000W	6000W
Max. output power	5.06kVA	5.5 kVA	6.6 kVA
Max. output current	23A	25A	27.3A
Rated grid voltage	220/230/240V		
Grid voltage range	90-290 Vac (adjustable)		
Rated grid frequency	50Hz/60Hz		
Grid frequency range	45~55Hz/55~65Hz		
THD	<3% (Under the rated power)		
Power factor	>0.99 (Under the rated power) /Adjustable range: 0.8 leading~0.8 lagging		
DC current injection	<0.5% (Under the rated power)		
System Data			
Max. efficiency	98.0%	98.1%	98.1%
Euro. efficiency	97.4%	97.5%	97.5%
Humidity range	0-100% non-condensing		
Cooling type	Natural cooling		
Temperature range	-25~+60°C		
Power consumption at night	< 1W		
Max. working altitude	4000m		
Display	LED(optional: LCD)		
Communication interface	WIFI(optional: RS485 or GPRS)		
Protection			
DC reverse-polarity protection	Yes		
Short circuit protection	Yes		
Output over current protection	Yes		
Output over voltage protection	Yes		
Insulation resistance monitoring	Yes		
Residual current detection	Yes		
Surge protection	Yes		
Grid monitoring	Yes		
Islanding protection	Yes		
Temperature protection	Yes		
Integrated DC switch	Yes		
Mechanical Data			
Dimensions (W*H*D)	347*368*167mm		
Weight	9kg		
Protection class	IP66		
Standard			
Safety standard/EMC standard	NB/T32004-2018, IEC62109, IEC61000, IS16169 & IS16221(BIS)		
Grid-connected standard	IEC61727, EN50549-1, VDE-4105, NRS-097-2-1, OVE-Richtlinie R25, UNE217001/2, Ordinance No.140		
Other standard	IEC61683, IEC62116, EN50530, IEC60068		

On-grid Inverter

QB -4/5/6 KTLD

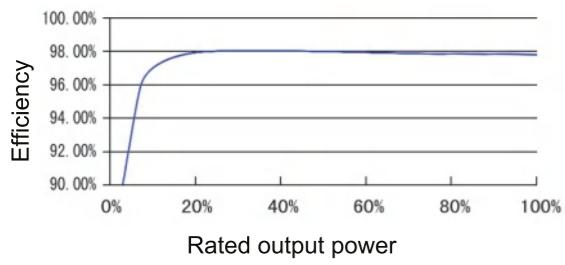
TLD series

single-phase & dual-MPPT



EFFICIENCY CURVE

Vdc=360V

IS 15221(PART-2)2015/IEC 62109-2:2011
IS 16189:2014/IEC 62116:2000R -41270628
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TECHNICAL DATA

Model Name	QB-4KTLD	QB-5KTLD	QB-6KTLD
Input			
Max. DC input power	6000W	7500W	9000W
Max. DC input voltage		550V	
Max. DC input current	20/20A	20/20A	20/20A
MPPT voltage range		80-550V	
Recommended MPPT operating voltage		360V	
Starting voltage		50V	
No.Of MPPT		2	
Max. no. of strings per MPPT		1/1	
Output			
Rated output power	4000W	5000W	6000W
Max. output power	4.4 kVA	5.5 kVA	6.6 kVA
Max. output current	20A	25A	27.3A
Rated grid voltage		230V	
Grid voltage range		160~270Vac (adjustable)	
Rated grid frequency		50Hz/60Hz	
Grid frequency range		45~55Hz/55~65Hz	
THD		<2% (Under the rated power)	
Power factor		>0.99 (Under the rated power) /Adjustable range: 0.8 leading~0.8 lagging	
DC current injection		<0.5% (Under the rated power)	
System Data			
Max. efficiency	98.1%	98.1%	98.1%
Euro. efficiency	97.5%	97.5%	97.5%
Humidity range		0-100% non-condensing	
Cooling type		Natural cooling	
Temperature range		-25~+60°C	
Power consumption at night		< 1W	
Max. working altitude		4000m	
Display		LED(optional: LCD)	
Communication interface		WIFI(optional: RS485 or GPRS)	
Protection			
DC reverse-polarity protection		Yes	
Short circuit protection		Yes	
Output over current protection		Yes	
Output over voltage protection		Yes	
Insulation resistance monitoring		Yes	
Residual current detection		Yes	
Surge protection		Yes	
Grid monitoring		Yes	
Islanding protection		Yes	
Temperature protection		Yes	
Integrated DC switch		Yes	
Mechanical Data			
Dimensions (W*H*D)		347*368*167mm	
Weight		10kg	
Protection class		IP66	
Standard			
Safety standard/EMC standard		NB/T32004-2018, IEC62109, IEC61000, IS16169 & IS16221(BIS)	
Grid-connected standard		IEC61727, EN50549-1, VDE-4105, NRS-097-2-1, OVE-Richtlinie R25, UNE217001/2, Ordinance No.140	
Other standard		IEC61683, IEC62116, EN50530, IEC60068	

On-grid Inverter

QB-6/8/10/12/15/17KTL

TLC series

Three-phase & dual-MPPT



Expandable Warranty



Real Time Whatsapp Alert

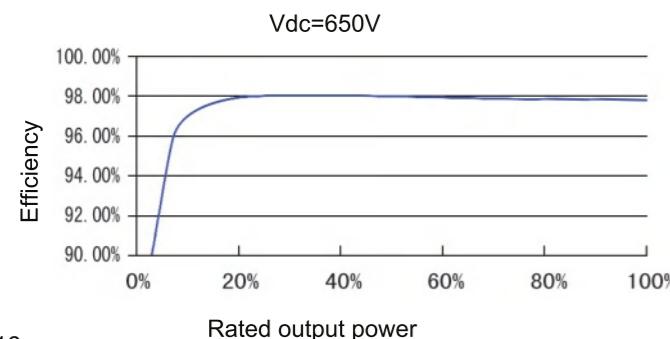


High Conversion Efficiency



All in One Mobile App

EFFICIENCY CURVE

IS 15221(PART-2)2015/IEC 62109-2:2011
IS 16189:2014/IEC 62116:2000R-41270628
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TECHNICAL DATA

Model Name	QB-6KTL	QB-8KTL	QB-10KTL	QB-12KTL	QB-15KTL	QB-17KTL
Input						
Max. DC input power	9000W	12000W	15000W	18000W	22500W	25500W
Max. DC input voltage			1100V			
Max. DC input current		20/20A			20/30A	
MPPT voltage range			180-1000V			
Recommended MPPT operating voltage			650V			
Starting voltage			180V			
No.Of MPPT		2			2	
Max. no. of strings per MPPT		1/1			1/2	
Output						
Rated output power	6000W	8000W	10000W	12000W	15000W	17000W
Max. output power	6.6kVA	8.8 kVA	11kVA	13.2kVA	16.5kVA	18.7kVA
Max. output current	10A	13.3A	16.7A	20A	24A	28.3A
Rated grid voltage			400V			
Grid voltage range			310-480Vac			
Rated grid frequency			50Hz/60Hz			
Grid frequency range			45~55Hz/55~65Hz			
THD			<2% (Under the rated power)			
Power factor			>0.99 (Under the rated power) / Adjustable range: 0.8 leading~0.8 lagging			
DC current injection			<0.5% (Under the rated power)			
System Data						
Max. efficiency	98.5%	98.5%	98.6%	98.7%	98.7%	98.7%
Euro. efficiency	98%	98%	98.2%	98.1%	98.2%	98.2%
Humidity range			0~100%, non-condensing			
Cooling type			Intelligent forced air cooling			
Temperature range			-25~60°C			
Power consumption at night			<1W			
Max. working altitude			4000m			
Display			LED(optional: LCD)			
Communication interface			WIFI(optional: RS485 or GPRS)			
Protection						
DC reverse-polarity protection			Yes			
Short circuit protection			Yes			
Output over current protection			Yes			
Output over voltage protection			Yes			
Insulation resistance monitoring			Yes			
Residual current detection			Yes			
Surge protection			Yes			
Grid monitoring			Yes			
Islanding protection			Yes			
Temperature protection			Yes			
Integrated DC switch			Yes			
Mechanical Data						
Dimensions (W*H*D)			427*450*204mm			
Weight			15kg			
Protection class			IP66			
Standard						
Safety standard/EMC standard			NB/T32004-2018, IEC62109, IEC61000, IS16169 & IS16221(BIS)			
Grid-connected standard			IEC61727, EN50549-1, VDE-4105, NRS-097-2-1, OVE-Richtlinie R25, UNE217001/2, Ordinance No.140			
Other standard			IEC61683, IEC62116, EN50530, IEC60068			

On-grid Inverter

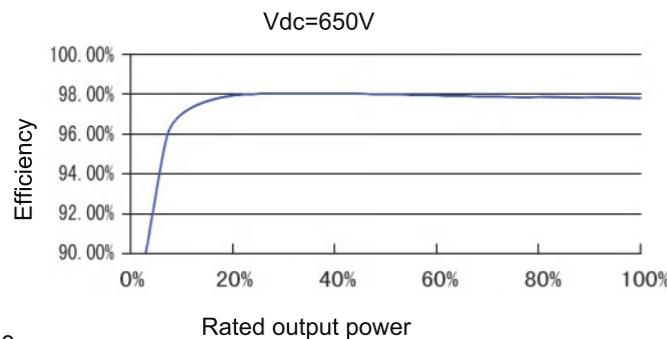
QB-20/23/25/28/30KTLC

TLC series

Three-phase & dual-MPPT



EFFICIENCY CURVE

IS 15221(PART-2)2015/IEC 62109-2:2011
IS 16189:2014/IEC 62116:2000R-41270628
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TECHNICAL DATA

Model Name	QB-20KTLC	QB-23KTLC	QB-25KTLC	QB-28KTLC	QB-30KTLC
Input					
Max. DC input power	30000W	34500W	37500W	42000W	45000W
Max. DC input voltage		1100V			
Max. DC input current	30/30A		40/30A	40/40A	40/40A
MPPT voltage range		180-1000V			
Recommended MPPT operating voltage		650V			
Starting voltage		180V			
No.Of MPPT		2			
Max. no. of strings per MPPT		2/2			
Output					
Rated output power	20000W	23000W	25000W	28000W	30000W
Max. output power	22kVA	25.3kVA	27.5kVA	30.8kVA	33kVA
Max. output current	32A	36.5A	41A	45A	48A
Rated grid voltage		400V			
Grid voltage range		310-480Vac			
Rated grid frequency		50Hz/60Hz			
Grid frequency range		45~55Hz/55~65Hz			
THD		<2% (Under the rated power)			
Power factor		>0.99 (Under the rated power) / Adjustable range: 0.8 leading~0.8 lagging			
DC current injection		<0.5% (Under the rated power)			
System Data					
Max. efficiency		98.8%			
Euro. efficiency		98.2%			
Humidity range		0~100%, non-condensing			
Cooling type		Intelligent forced air cooling			
Temperature range		-25~+60°C			
Power consumption at night		<1W			
Max. working altitude		4000m			
Display		LED(optional: LCD)			
Communication interface		WIFI(optional: RS485 or GPRS)			
Protection					
DC reverse-polarity protection		Yes			
Short circuit protection		Yes			
Output over current protection		Yes			
Output over voltage protection		Yes			
Insulation resistance monitoring		Yes			
Residual current detection		Yes			
Surge protection		Yes			
Grid monitoring		Yes			
Islanding protection		Yes			
Temperature protection		Yes			
Integrated DC switch		Yes			
Mechanical Data					
Dimensions (W*H*D)		427*450*204mm			
Weight		18kg			
Protection class		IP66			
Standard					
Safety standard/EMC standard		NB/T32004-2018, IEC62109, IEC61000, IS16169 & IS16221(BIS)			
Grid-connected standard		IEC61727, EN50549-1, VDE-4105, NRS-097-2-1, OVE-Richtlinie R25, UNE217001/2, Ordinance No.140			
Other standard		IEC61683, IEC62116, EN50530, IEC60068			

On-grid Inverter

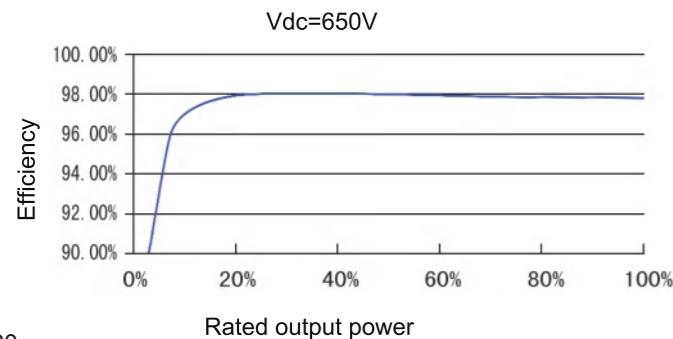
QB-30/33/36/40KTLC-Pro

Pro series

Three-phase & multi-MPPT



EFFICIENCY CURVE

IS 15221(PART-2)2015/IEC 62109-2:2011
IS 16189:2014/IEC 62116:2000R-41270628
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TECHNICAL DATA

Model Name	QB-30KTLC-Pro	QB-33KTLC-Pro	QB-36KTLC-Pro	QB-40KTLC-Pro
Input				
Max. DC input power	45000W	49500W	54000W	60000W
Max. DC input voltage		1100V		
Max. DC input current		40/40/20A		
MPPT voltage range		200-1000Vdc		
Recommended MPPT operating voltage		650V		
Starting voltage		180V		
No.Of MPPT		3		
Max. no. of strings per MPPT		2		
Output				
Rated output power	30000W	33000W	36000W	40000W
Max. output power	33kVA	36.3kVA	39.6kVA	44kVA
Max. output current	48A	53A	56A	66A
Rated grid voltage		400Vac		
Grid voltage range		310~480Vac		
Rated grid frequency		50Hz/60Hz		
Grid frequency range		45~55Hz/55~65Hz		
THD		< 2% (Under the rated power)		
Power factor		>0.99 (Under rated power) / Adjustable range: 0.8 leading-0.8 lagging		
DC current injection		< 0.5% (Under the rated power)		
System Data				
Max. efficiency	98.60%	98.60%	98.60%	98.70%
Euro. efficiency	98.10%	98.10%	98.10%	98.10%
Humidity range		0-100% non-condensing		
Cooling type		Intelligent forced air cooling		
Temperature range		-25~+60°C		
Power consumption at night		< 1W		
Max. working altitude		4000m		
Display		LED(optional: LCD)		
Communication interface		WIFI(optional: RS485 or GPRS)		
Protection				
DC reverse-polarity protection		Yes		
Short circuit protection		Yes		
Output over current protection		Yes		
Output over voltage protection		Yes		
Insulation resistance monitoring		Yes		
Residual current detection		Yes		
Surge protection		Yes		
Grid monitoring		Yes		
Islanding protection		Yes		
Temperature protection		Yes		
Integrated DC switch		Yes		
Mechanical Data				
Dimensions (W*H*D)		460*476*228.5mm		
Weight		23kg		
Protection class		IP66		
Standard				
Safety standard/EMC standard		NB/T32004-2018, IEC62109, IEC61000, IS16169 & IS16221(BIS)		
Grid-connected standard		IEC61727, EN50549-1, VDE-4105, NRS-097-2-1, OVE-Richtlinie R25, UNE217001/2, Ordinance No.140		
Other standard		IEC61683, IEC62116, EN50530, IEC60068		

On-grid Inverter

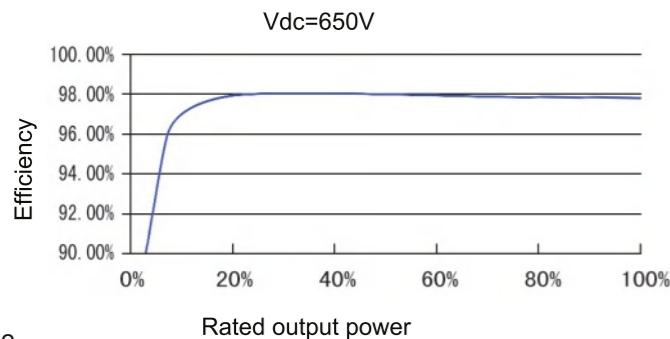
QB - 40/45/50KTLCL-Plus

PLUS series

Three-phase & multi-MPPT



EFFICIENCY CURVE

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IS 16189:2014/IEC 62116:2000R - 41270628
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TECHNICAL DATA

Model Name	QB-40KTLCL-Plus	QB- 45KTLCL-Plus	QB-50KTLCL-Plus
Input			
Max. DC input power	60000W	67500W	75000W
Max. DC input voltage		1100V	
Max. DC input current	40/40/20/20A		40/40/20/20A
MPPT voltage range		200-1000V	
Recommended MPPT operating voltage		650V	
Starting voltage		180V	
No.Of MPPT		4	
Max. no. of strings per MPPT		2	
Output			
Rated output power	40000W	45000W	50000W
Max. output power	44kVA	49.5kVA	55kVA
Max. output current	65A	72A	80A
Rated grid voltage		400Vac	
Grid voltage range		310-480Vac	
Rated grid frequency		50Hz/60Hz	
Grid frequency range		45-55Hz/55-65Hz	
THD		<2% (Under rated power)	
Power factor		>0.99 (Under rated power) / Adjustable range: 0.8 leading-0.8 lagging	
DC current injection		<0.5% (Under rated power)	
System Data			
Max. efficiency	98.60%	98.60%	98.70%
Euro. efficiency	98.20%	98.20%	98.20%
Humidity range		0-100% non-condensing	
Cooling type		Intelligent forced air cooling	
Temperature range		-25~+60°C	
Power consumption at night		<1W	
Max. working altitude		4000m	
Display		LED(optional: LCD)	
Communication interface		WIFI(optional: RS485 or GPRS)	
Protection			
DC reverse-polarity protection		Yes	
Short circuit protection		Yes	
Output over current protection		Yes	
Output over voltage protection		Yes	
Insulation resistance monitoring		Yes	
Residual current detection		Yes	
Surge protection		Yes	
Grid monitoring		Yes	
Islanding protection		Yes	
Temperature protection		Yes	
Integrated DC switch		Yes	
Mechanical Data			
Dimensions (W*H*D)		610*564*218mm	
Weight		37kg	
Protection class		IP66	
Standard			
Safety standard/EMC standard		NB/T32004-2018, IEC62109, IEC61000, IS16169 & IS16221(BIS)	
Grid-connected standard		IEC61727, EN50549-1, VDE-4105, NRS-097-2-1, OVE-Richtlinie R25, UNE217001/2, Ordinance No.140	
		IEC61683, IEC62116, EN50530, IEC60068	

On-grid Inverter

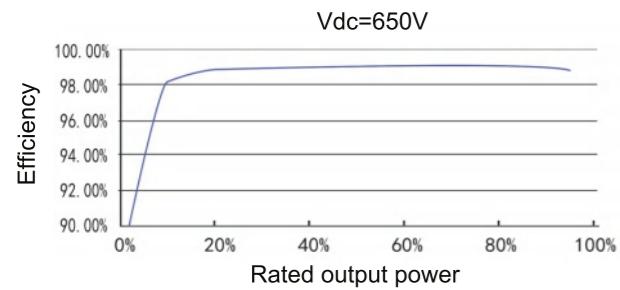
QB-50/60KTLC

TLC series

Three-phase & multi-MPPT



EFFICIENCY CURVE

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IS 16189:2014/IEC 62116:2000R-41270628
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TECHNICAL DATA

Model Name	QB-50KTLC	QB-60KTLC
Input		
Max. DC input power	65000W	78000W
Max. DC input voltage	1100V	
Max. DC input current	45/45/45A	
MPPT voltage range	250-1100V	
Recommended MPPT operating voltage	650V	
Starting voltage	300V	
No.Of MPPT	3	
Max. no. of strings per MPPT	4	
Output		
Rated output power	50000W	60000W
Max. output power	55kVA	66kVA
Max. output current	80A	96A
Rated grid voltage	400V	
Grid voltage range	310~480Vac	
Rated grid frequency	50Hz/60Hz	
Grid frequency range	45~55Hz/55~65Hz	
THD	< 2% (Under the rated power)	
Power factor	>0.99 (Under rated power) / Adjustable range: 0.8 leading-0.8 lagging	
DC current injection	< 0.5% (Under the rated power)	
System Data		
Max. efficiency	98.7%	98.9%
Euro. efficiency	98.3%	98.5%
Humidity range	0-100% non-condensing	
Cooling type	Intelligent forced air cooling	
Temperature range	-25~+60°C	
Power consumption at night	< 1W	
Max. working altitude	4000m	
Display	LED(optional: LCD)	
Communication interface	WIFI(optional: RS485 or GPRS)	
Protection		
DC reverse-polarity protection	Yes	
Short circuit protection	Yes	
Output over current protection	Yes	
Output over voltage protection	Yes	
Insulation resistance monitoring	Yes	
Residual current detection	Yes	
Surge protection	Yes	
Grid monitoring	Yes	
Islanding protection	Yes	
Temperature protection	Yes	
Integrated DC switch	Yes	
Mechanical Data		
Dimensions (W*H*D)	282*681*660mm	
Weight	47kg	
Protection class	IP66	
Standard		
Safety standard/EMC standard	NB/T32004-2018, IEC62109, IEC61000, IS16169 & IS16221(BIS)	
Grid-connected standard	IEC61727, EN50549-1, VDE-4105, NRS-097-2-1, OVE-Richtlinie R25, UNE217001/2, Ordinance No.140	
Other standard	IEC61683, IEC62116, EN50530, IEC60068	

On-grid inverter

QB-70/75/80/90/100/110KTLC-Pro

Pro series

Three-phase & multi-MPPT



Expandable Warranty



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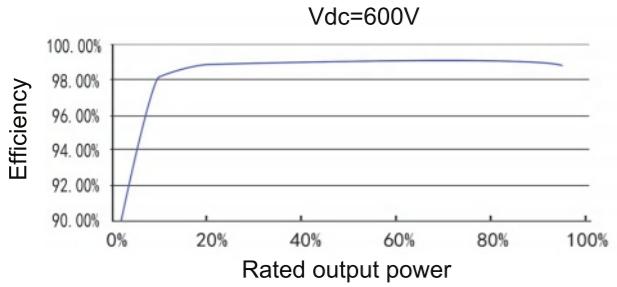


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IS 15221(PART-2)2015/IEC 62109-2:2011
IS 16189:2014/IEC 62116:2000R-41270628
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TECHNICAL DATA

Model Name	QB-70KTLC-Pro	QB-75KTLC-Pro	QB-80KTLC-Pro	QB-90KTLC-Pro	QB-100KTLC-Pro	QB-110KTLC-Pro
Input						
Max. DC input power	105kW	112.5kW	120kW	135kW	150kW	165kW
Max. DC input voltage				1100V		
Max. DC input current	40/40/20/40/40/20A			40/40/20/20/40/20/20A		
MPPT voltage range			200-1000V			
Recommended MPPT operating voltage			600V			
Starting voltage			180V			
No.Of MPPT	6				8	
Max. no. of strings per MPPT				2		
Output						
Rated output power	70kW	75kW	80kW	90kW	100kW	110kW
Max. output power	77kW	82.5kW	88kW	99kW	110kW	121kW
Max. output current	112A	121A	128A	144A	160A	176A
Rated grid voltage			400Vac			
Grid voltage range			310-480Vac			
Rated grid frequency			50Hz/60Hz			
Grid frequency range			45-55Hz/55-65Hz			
THD			<2% (Under rated power)			
Power factor			>0.99 (Under rated power) / Adjustable range: 0.8 leading-0.8 lagging			
DC current injection			<0.5% (Under rated power)			
System Data						
Max. efficiency	98.60%	98.60%	98.60%	98.60%	98.70%	98.70%
Euro. efficiency	98.10%	98.10%	98.10%	98.10%	98.10%	98.20%
Humidity range			0-100% non-condensing			
Cooling type			Intelligent forced air cooling			
Temperature range			-25~+60°C			
Power consumption at night			<1W			
Max. working altitude			4000m			
Display			LED(optional: LCD)			
Communication interface			WIFI(optional: RS485 or GPRS)			
Protection						
DC reverse-polarity protection			Yes			
Short circuit protection			Yes			
Output over current protection			Yes			
Output over voltage protection			Yes			
Insulation resistance monitoring			Yes			
Residual current detection			Yes			
Surge protection			Yes			
Grid monitoring			Yes			
Islanding protection			Yes			
Temperature protection			Yes			
Integrated DC switch			Yes			
Mechanical Data						
Dimensions (W*H*D)			1160*611*286mm			
Weight			92kg			
Protection class			IP66			
Standard						
Safety standard/EMC standard			NB/T32004-2018, IEC62109, IEC61000, IS16169 & IS16221(BIS)			
Grid-connected standard			IEC61727, EN50549-1, VDE-4105, NRS-097-2-1, OVE-Richtlinie R25, UNE217001/2, Ordinance No.140			
Other standard			IEC61683, IEC62116, EN50530, IEC60068			

On-grid inverter

QB-80/90/100/110/125KTLC

TLC series

Three-phase & multi-MPPT



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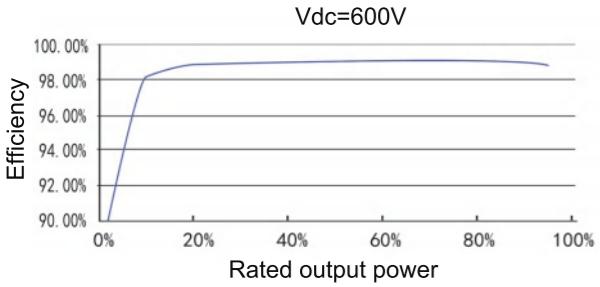


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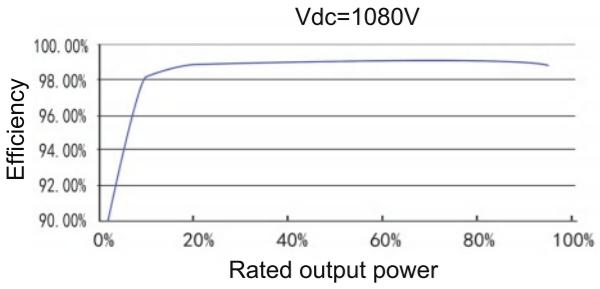
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TECHNICAL DATA

Model Name	QB-80KTLC	QB-90KTLC	QB-100KTLC	QB-110KTLC	QB-125KTLC
Input					
Max. DC input power	120kW	135kW	150kW	165kW	187.5kW
Max. DC input voltage		1100V			
Max. DC input current	30A*8	30A*9	30A*10	30A*10	30A*10
MPPT voltage range		200~1000V			
Recommended MPPT operating voltage		600V			
Starting voltage		300V			
No.Of MPPT	8	9	10	10	10
Max. no. of strings per MPPT		2			
Output					
Rated output power	80kW	90kW	100kW	110kW	125kW
Max. output power	88kVA	99kVA	110kVA	121kVA	137.5kVA
Max. output current	127A	142.9A	158.8A	174.6A	199.3A
Rated grid voltage		400V			
Grid voltage range		310~480Vac			
Rated grid frequency		50Hz/60Hz			
Grid frequency range		45~55Hz/55~65Hz			
THD		< 2% (Under the rated power)			
Power factor		>0.99 (Under rated power) / Adjustable range: 0.8 leading-0.8 lagging			
DC current injection		< 0.5% (Under the rated power)			
System Data					
Max. efficiency	98.6%	98.6%	98.7%	98.7%	98.9%
Euro. efficiency	98.1%	98.1%	98.1%	98.1%	98.2%
Humidity range		0-100% non-condensing			
Cooling type		Intelligent forced air cooling			
Temperature range		-25~+60°C			
Power consumption at night		< 1W			
Max. working altitude		4000m			
Display		LED(optional: LCD)			
Communication interface		WIFI(optional: RS485 or GPRS)			
Protection					
DC reverse-polarity protection		Yes			
Short circuit protection		Yes			
Output over current protection		Yes			
Output over voltage protection		Yes			
Insulation resistance monitoring		Yes			
Residual current detection		Yes			
Surge protection		Yes			
Grid monitoring		Yes			
Islanding protection		Yes			
Temperature protection		Yes			
Integrated DC switch		Yes			
Mechanical Data					
Dimensions (W*H*D)		1050*620*333mm			
Weight		85kg			
Protection class		IP66			
Standard					
Safety standard/EMC standard		NB/T32004-2018, IEC62109, IEC61000, IS16169 & IS16221(BIS)			
Grid-connected standard		IEC61727, EN50549-1, VDE-4105, NRS-097-2-1, OVE-Richtlinie R25, UNE217001/2, Ordinance No.140			
Other standard		IEC61683, IEC62116, EN50530, IEC60068			

On-grid inverter

QB-225/320K-EHV**TLC series****Three-phase & multi-MPPT****EFFICIENCY CURVE**

Expandable Warranty



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Model Name	QB-225K-EHV	QB-320K-EHV
Input		
Max. DC input power	337.5kW	480kW
Max. DC input voltage	1500V	
Max. DC input current	40A*12	40A*12 (Optional: 30A*14/30A*16)
MPPT voltage range	500~1500V	
Recommended MPPT operating voltage	1080V	
Starting voltage	550V	
No.Of MPPT	12	12 (Optional: 14/16)
Max. no. of strings per MPPT	2	
Output		
Rated output power	225kW	320kW
Max. output power	247.5kVA	352kVA
Max. output current	178.7A	254A
Rated grid voltage	800V	
Grid voltage range	640-920Vac	
Rated grid frequency	50Hz/60Hz	
Grid frequency range	45-55Hz/55-65Hz	
THD	<3% (Under rated power)	
Power factor	>0.99 (Under rated power) / Adjustable range: 0.8 leading-0.8 lagging	
DC current injection	<0.5% (Under rated power)	
System Data		
Max. efficiency	99.02%	99.02%
Euro. efficiency	98.51%	98.52%
Humidity range	0-100% non-condensing	
Cooling type	Intelligent forced air cooling	
Temperature range	-30~+60°C	
Power consumption at night	≤2W	
Max. working altitude	5000m (frequency-decreasing above 4000m)	
Display	LED, Bluetooth+APP(optional:LCD)	
Communication interface	WIFI(optional: RS485 or GPRS)	
Protection		
DC reverse-polarity protection	Yes	
Short circuit protection	Yes	
Output over current protection	Yes	
Output over voltage protection	Yes	
Insulation resistance monitoring	Yes	
Residual current detection	Yes	
Surge protection	Yes	
Grid monitoring	Yes	
Islanding protection	Yes	
Temperature protection	Yes	
Integrated DC switch	Yes	
Mechanical Data		
Dimensions (W*H*D)	1008*700*351mm	1136*870*361mm
Weight	96kg	116kg
Protection class	IP66	
Standard		
Safety standard/EMC standard	NB/T32004-2018, IEC62109, IEC61000, IS16169 & IS16221(BIS)	
Grid-connected standard	IEC61727, EN50549-1, VDE-4105, NRS-097-2-1, OVE-Richtlinie R25, UNE217001/2, Ordinance No.140	
Other standard	IEC61683, IEC62116, EN50530, IEC60068	



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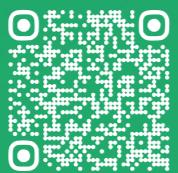
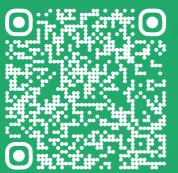
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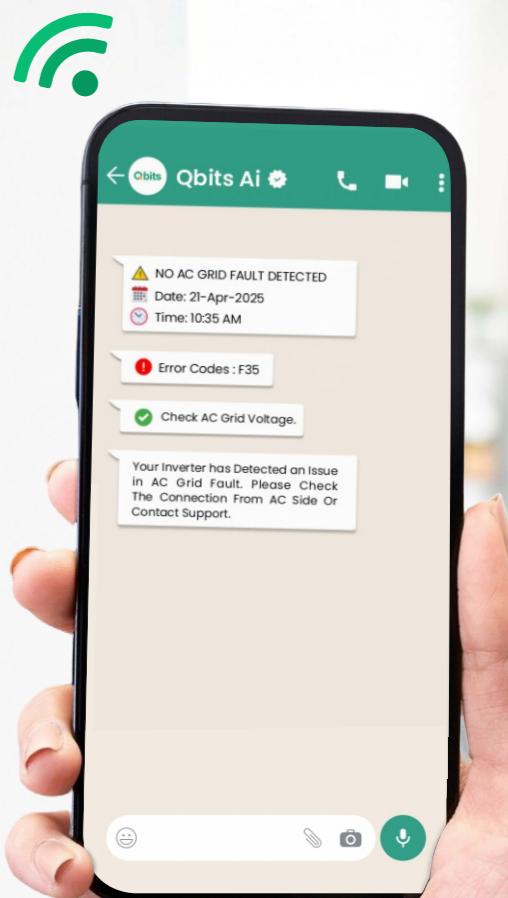


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