

On-grid inverter

QB-4.6/5/6KTLS

TLS series

single-phase & single-MPPT



Expandable Warranty



Real Time Whatsapp Alert



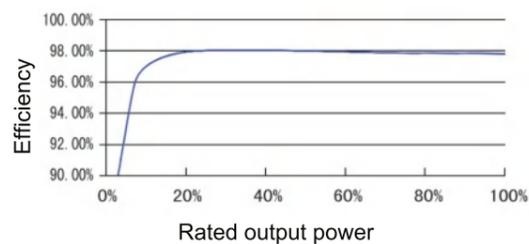
High Conversion Efficiency



All in One Mobile App

EFFICIENCY CURVE

V_{dc}=360V



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



R -41270628
www.bis.gov.in

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TECHNICAL DATA

Model Name	QB-4.6KTLS	QB-5KTLS	QB-6KTLS
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		T operating voltage
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		