



On-grid Inverter

QB -4/5/6 KTLD

TLD series

single-phase & dual-MPPT



Expandable Warranty



Real Time Whatsapp Alert

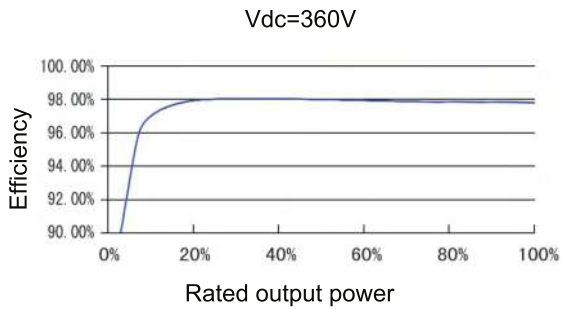


High Conversion Efficiency



All in One Mobile App

EFFICIENCY CURVE



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



R -41270628
www.bis.gov.in

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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℃		
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		