On-grid Inverter

QB - 40/45/50KTLC-Plus

PLUS series

Three-phase & multi-MPPT

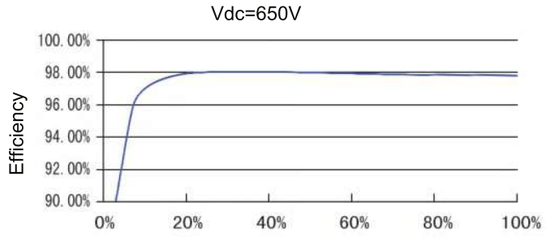
Expandable Warranty

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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USER MANUALS

TECHNICAL DATA

Model Name	QB-40KTLC-Plus	QB-45KTLC-Plus	QB-50KTLC-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, Ordinace No.140 IEC61683, IEC62116, EN50530, IEC60068		