



On-grid Inverter

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

TLC series

Three-phase & dual-MPPT



Expandable Warranty



Real Time Whatsapp Alert

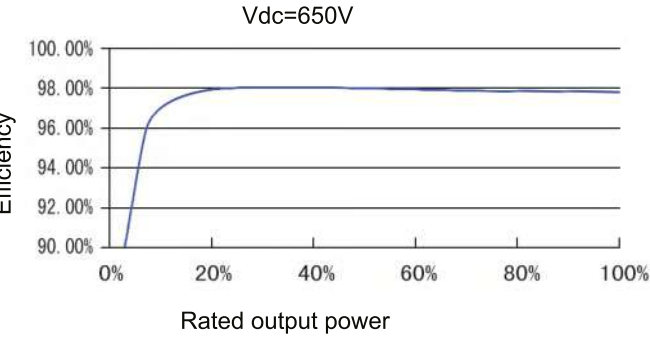


High Conversion Efficiency



All in One Mobile App

EFFICIENCY CURVE



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



R -41270628
www.bis.gov.in

DOWNLOAD
USER MANUALS



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				