



On-grid inverter

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

TLC series

Three-phase & multi-MPPT



Expandable Warranty



Real Time Whatsapp Alert



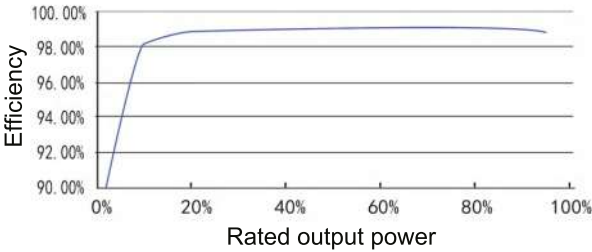
High Conversion Efficiency



All in One Mobile App

EFFICIENCY CURVE

Vdc=600V



DOWNLOAD
USER MANUALS



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				