



On-grid inverter

QB-70/75/80/90/100/110KTLC-Pro

Pro series

Three-phase & multi-MPPT



Expandable Warranty



Real Time Whatsapp Alert

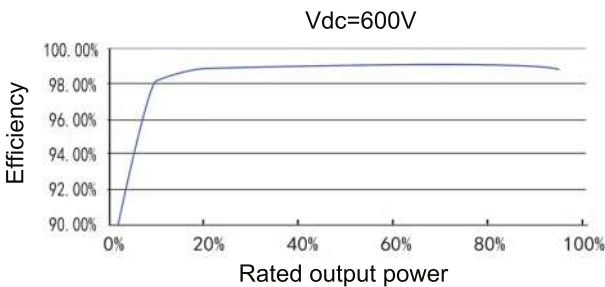


High Conversion Efficiency



All in One Mobile App

EFFICIENCY CURVE



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



R -41270628
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TECHNICAL DATA

Model Name	QB-70KTLC-Pro	QB-75KTLC-Pro	QB-80KTLC-Pro	QB-90KTLC-Pro	QB- 100KTLC-Pro	QB- 110KTLC-Pro
Input						
Max. DC input power	105kW	112.5kW	120kW	135kW	150kW	165kW
Max. DC input voltage	1100V					
Max. DC input current	40/40/20/40/40/20A		40/40/20/20/40/40/20/20A			
MPPT voltage range	200-1000V					
Recommended MPPT operating voltage	600V					
Starting voltage	180V					
No.Of MPPT	6		8			
Max. no. of strings per MPPT	2					
Output						
Rated output power	70kW	75kW	80kW	90kW	100kW	110kW
Max. output power	77kW	82.5kW	88kW	99kW	110kW	121kW
Max. output current	112A	121A	128A	144A	160A	176A
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%	98.60%	98.60%	98.70%	98.70%
Euro. efficiency	98.10%	98.10%	98.10%	98.10%	98.10%	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)	1160*611*286mm					
Weight	92kg					
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					