



On-grid inverter

QB -225/320K-EHV

TLC series

Three-phase & multi-MPPT



Expandable Warranty



Real Time Whatsapp Alert



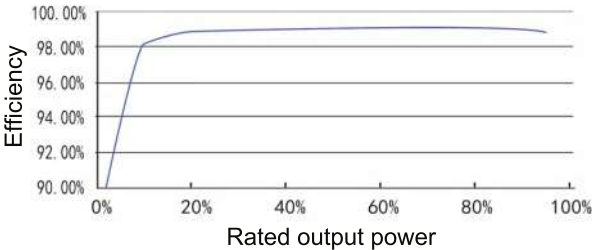
High Conversion Efficiency



All in One Mobile App

EFFICIENCY CURVE

Vdc=1080V



DOWNLOAD
USER MANUALS



TECHNICAL DATA

Model Name	QB-225K-EHV	QB-320K-EHV
Input		
Max. DC input power	337.5kW	480kW
Max. DC input voltage	1500V	
Max. DC input current	40A*12	40A*12 (Optional: 30A*14/30A*16)
MPPT voltage range	500~1500V	
Recommended MPPT operating voltage	1080V	
Starting voltage	550V	
No.Of MPPT	12	12 (Optional: 14/16)
Max. no. of strings per MPPT	2	
Output		
Rated output power	225kW	320kW
Max. output power	247.5kVA	352kVA
Max. output current	178.7A	254A
Rated grid voltage	800V	
Grid voltage range	640-920Vac	
Rated grid frequency	50Hz/60Hz	
Grid frequency range	45-55Hz/55-65Hz	
THD	< 3% (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	99.02%	99.02%
Euro. efficiency	98.51%	98.52%
Humidity range	0-100% non-condensing	
Cooling type	Intelligent forced air cooling	
Temperature range	-30~+60°C	
Power consumption at night	≤2W	
Max. working altitude	5000m (frequency-decreasing above 4000m)	
Display	LED, Bluetooth+APP(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)	1008*700*351mm	1136*870*361mm
Weight	96kg	116kg
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	