

Brux 3-6KTL-HT

Single Phase Hybrid Solar Inverter



www.solarin.be



5-Year Warranty
Optional: up to 25 years

Efficient • Productive

2 MPPT Trackers
Max. Efficiency 97.5%
Max. PV Input Voltage 600V

16A

Max. PV Input Current

150%

DC Input Oversizing

Safe • Reliable

Intelligent Fault Detection
AFCI Function (Optional)
Smart I-V Curve Diagnosis Function

IP66

Protection

DC & AC Type II

Surge Protection

Compact Design and Light Weight
Grid Peak Shaving Function Available
Uninterrupted Power Supply at Night
Easy to Operate and Maintain, Smart Choice
Critical Loads Stable Operation in the Absence of Utility Power

Module	BruX3K6TL-HT	BruX4KTL-HT	BruX4K6TL-HT	BruX5KTL-HT	BruX6KTL-HT
Input (PV)					
Max. PV Input Power	5.4kW	6kW	6.9kW	7.5kW	9kW
Max. PV Input Voltage	600V				
Start-up Voltage	100V				
Rated Voltage	240V	270V	300V	330V	360V
MPPT Voltage Range	100V~550V				
Number of MPPT Trackers	2				
Max. PV Input Current	16A				
Output (AC)					
Rated Output Power	3.68kVA	4kVA	4.6kVA	5kVA	6kVA
Max. Output Power	3.68kVA	4.4kVA	4.6kVA	5.5kVA	6kVA
Max. Output Current	16A	20A	20.9A	22.7A	30A
Rated Voltage	230V				
Rated Frequency	50Hz / 60Hz				
THDi (@Rated Power)	< 3%				
Power Factor	0.8 leading~0.8 lagging				
Output (EPS)					
Max. Output Power	3.68kVA	4kVA	4.6kVA	5kVA	6kVA
Max. Output Current	16A	20A	20.9A	22.7A	30A
Peak Output Power, Time	5.5kW, 10s	6kW, 10s	6.9kW, 10s	7.5kW, 10s	7.5kW, 10s
Rated Voltage, Frequency	230V, 50Hz				
THDv (@Rated Power)	< 3%				
Switch Time	< 10ms				
Battery					
Battery Type	Lithium, Lead-acid				
Battery Voltage Range	40V~60V				
Max. Charge / Discharge Current	100A				
Communication	CAN				
Efficiency					
Max. Efficiency	97.50%				
EU Efficiency	97.20%				
Battery Charge/Discharge Efficiency	95%				
Protection					
DC Reverse Polarity Protection	Yes				
Insulation Resistance Monitoring	Yes				
Ground Fault Monitoring	Yes				
Over Current / Over Voltage Protection	Yes				
Battery Soft Start Protection	Yes				
AFCI Protection	Optional				
Surge Protection	Type II				
Communication					
Display	LCD				
Communication	RS485 / CAN / WIFI / 4G / LAN / Bluetooth				
Standard Compliance					
Certification	IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, IEC61727/IEC62116, EN50549, CEI0-21, C10/C11, VDE4105, VDE0126, G98/99, RD244, UNE217001, UNE217002, AS4777, NRS097-2-1				
General Data					
Dimension (W x H x D)	490 x 395 x 200 mm				
Weight	20kg				
Operating Temperature Range	-30°C~+60°C				
Cooling Method	Natural				
Protection Degree	IP66				
Max. Operating Altitude	4000m				
Noise	≤25dB				
Relative Humidity	0~100%				
Self-consumption	< 10W				
Topology	High Frequency Insolation (For battery)				