Brux 5-12KTL3-HT

Three Phase Hybrid Solar Inverter

SOLAR-IN
YOUR GATEWAY TO CLEAN ENERGY

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QUALITY GUARANTEED

5-Year Warranty
Optional: up to 25 years

Efficient • Productive

2 MPPT Trackers
Max. Efficiency 98.4%
Max. PV Input Voltage 1100V

20A
Max. PV Input Current

160%
DC Input Oversizing

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

Safe • Reliable

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

IP66
Protection

DC & AC Type II
Surge Protection

Module	Brux5KTL3-HT	Brux6KTL3-HT	Brux8KTL3-HT	Brux10KTL3-HT	Brux12KTL3-HT
Input (PV)					
Max. PV Input Power	8kW	9.6kW	12.8kW	16kW	19.2kW
Max. PV Input Voltage			1100V		
Start-up Voltage			160V		
Rated Voltage			600V		
MPPT Voltage Range			150V~1000V		
Number of MPPT Trackers			2		
Max. PV Input Current			20A		
Max. Short Circuit Current per MPPT			40A		
Output (AC)					
Rated Output Power	5kVA	6kVA	8kVA	10kVA	12kVA
Max. Output Power	5.5kVA	6.6kVA	8.8kVA	11kVA	13.2kVA
Max. Output Current	7.2A	8.7A	11.6A	15.5A	17.4A
Rated Voltage			230V/400V		
Rated Frequency			50Hz / 60Hz		
THDi (@Rated Power)			＜2%		
Power Factor			0.8 leading~0.8 lagging		
Output (EPS)					
Max. Output Power	5.5kVA	6.6kVA	8.8kVA	11kVA	13.2kVA
Peak Output Power, Time	10kW, 60s	12kW, 60s	16kW, 60s	20kW, 60s	20kW, 60s
Rated Voltage, Frequency			230V, 50Hz		
THDv (@Rated Power)			＜3%		
Switch Time			＜10ms		
Battery					
Battery Type			Lithium, Lead-acid		
Battery Voltage Range			160V~800V		
Max. Charge / Discharge Current			50A		
Communication			CAN / RS485		
Efficiency					
Max. Efficiency			98.4%		
EU Efficiency			97.8%		
Battery Charge/Discharge Efficiency			97.8%		
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)			534 x 440 x 220 mm		
Weight			30kg		
Operating Temperature Range			-30℃～+60℃		
Cooling Method			Natural		
Protection Degree			IP66		
Max. Operating Altitude			4000m		
Noise			≤35dB		
Relative Humidity			0~100%		
Self-consumption			＜10W		
Topology			High Frequency Insolation (For battery)		