



**MADE IN  
GERMANY.**

# blueplanet backup gridsave 100-150 TL3-S

**Commercial backup storage with KACO. Your easy way to be save.**

- Real back-up Power up to ...
- Highest Efficiency due to new SiC Technology 98,5%
- Preinstalled DC and AC features
- Made in Germany with deep EU Supply chain
- High Cybersecurity Standards
- Build on reliable market leading gridsave platform

# Target Data Sheet.

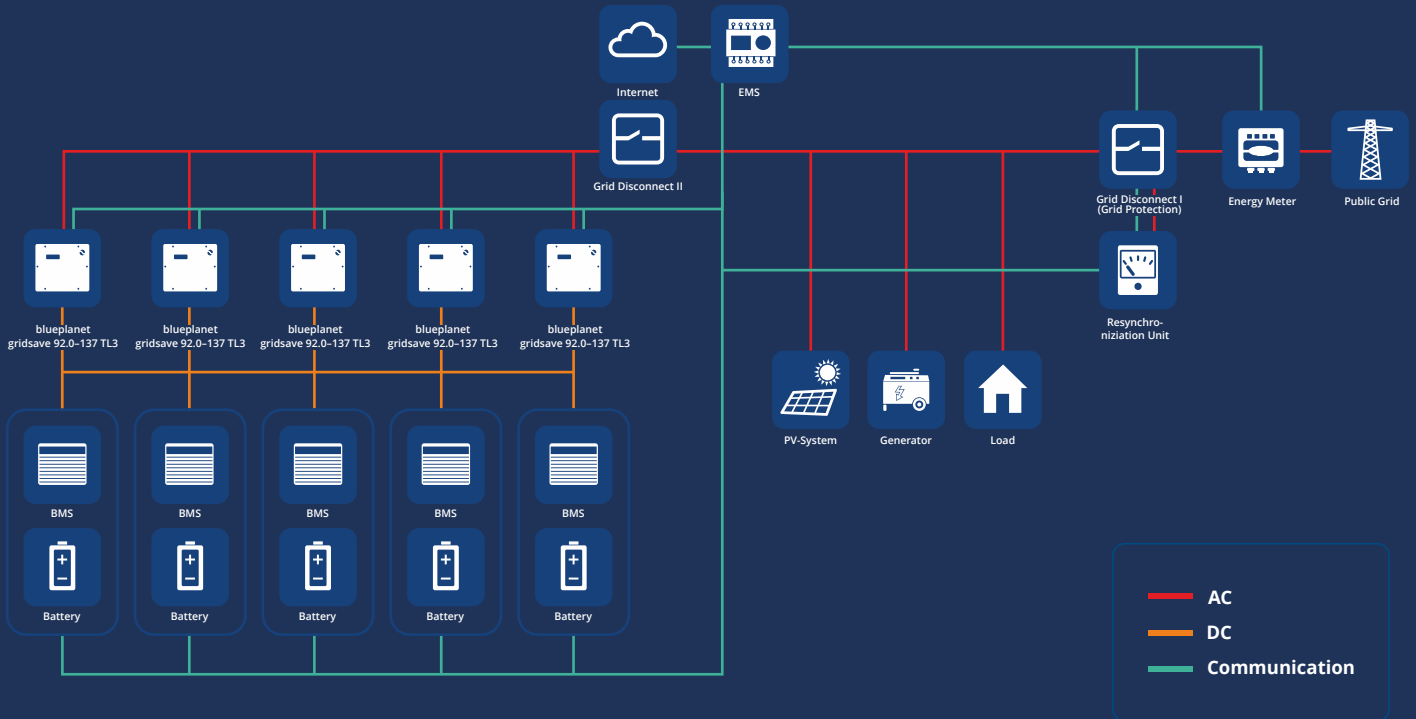
## blueplanet backup gridsave battery inverter

Battery Input (DC)	KACO BG-B 100	KACO BG-B 120	KACO BG-B 150
Standard Charging / Discharging voltage range	Standard: 668 V – 1500 V	801 V – 1500 V	1002 V – 1500 V
Rated current		183 A	
Max. Short circuit current $I_{sc,max}$		300 A	
DC-Isolation Measurement	yes, before connecting to AC		
RCMU	yes, electronic replica of RCD Type B		
Number of DC Inputs	1		
AC Output (On-Grid)			
Nom. power AC	100 kVA	120 kVA	150 kVA
Rated current	145 A	144 A	144 A
Nom. AC voltage	400 V	480 V	600 V
Voltage range (Ph-Ph)	300 – 460 V	360 – 450 V	450 – 690 V
Frequency (range)	50 Hz / 60 Hz (45 Hz – 66 Hz / 55 Hz – 65 Hz)		
THD	< 3 % (on-grid & off-grid)		
Number of grid phases	3 feed in phases		
Power factor	0 – 100 % Smax		
AC Output (Off-Grid)			
Island Capable?	Yes		
Nom. power AC	92 kVA	110 kVA	137 kVA
Max. discharge power in off-grid mode	105 kVA*	125 kVA*	155 kVA*
Max. AC current	152 A		
Support of asymmetric loads	yes, up to 50 A		
General Data			
Max. Efficiency	>98,5 %		
Euro Efficiency	TBA		
CEC Efficiency	>98,0 %		
DC parallel operation	yes, 5		
AC parallel operation	yes, 5		
Communication	Ethernet (MODBUS TCP/IP)		
Standby consumption	> 10 W		
Topology	transformerless		
Standard Warranty	5 years	5 years	5 years
Warranty extension available	yes		
Mechanical Data			
Dimension (WxHxD)	719 x 699 x 450 mm		
Weight	< 85 kg		
DC / AC switch	PCU as an option		
DC connection	4 x M40		
AC connection	5 x M40		
Comms. Connection	3 x M25 / 2 x M16		
Operating temperature range	-20 °C to 60 °C*		
Installation altitude	max. 3000 m (> 2000 m derating)		
Installation humidity	0–100 % (Non condensing)		
Cooling method	Forced air cooling & replaceable fans		
Noise emission	<60 dB (A)		
Degree of protection	IP66 / NEMA 4X		
Certificates			
Safety	See list in Annex		
Country grid codes	See list in Annex		
Inverter Versions	M; DC fuse L; DC fuse, pre charge; DC+ relay XL; DC fuse, pre charge, DC+ relay, DC- relay		

\*Temperature derating starts between 30 °C and 40 °C

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We turn *passion* into **power**.