

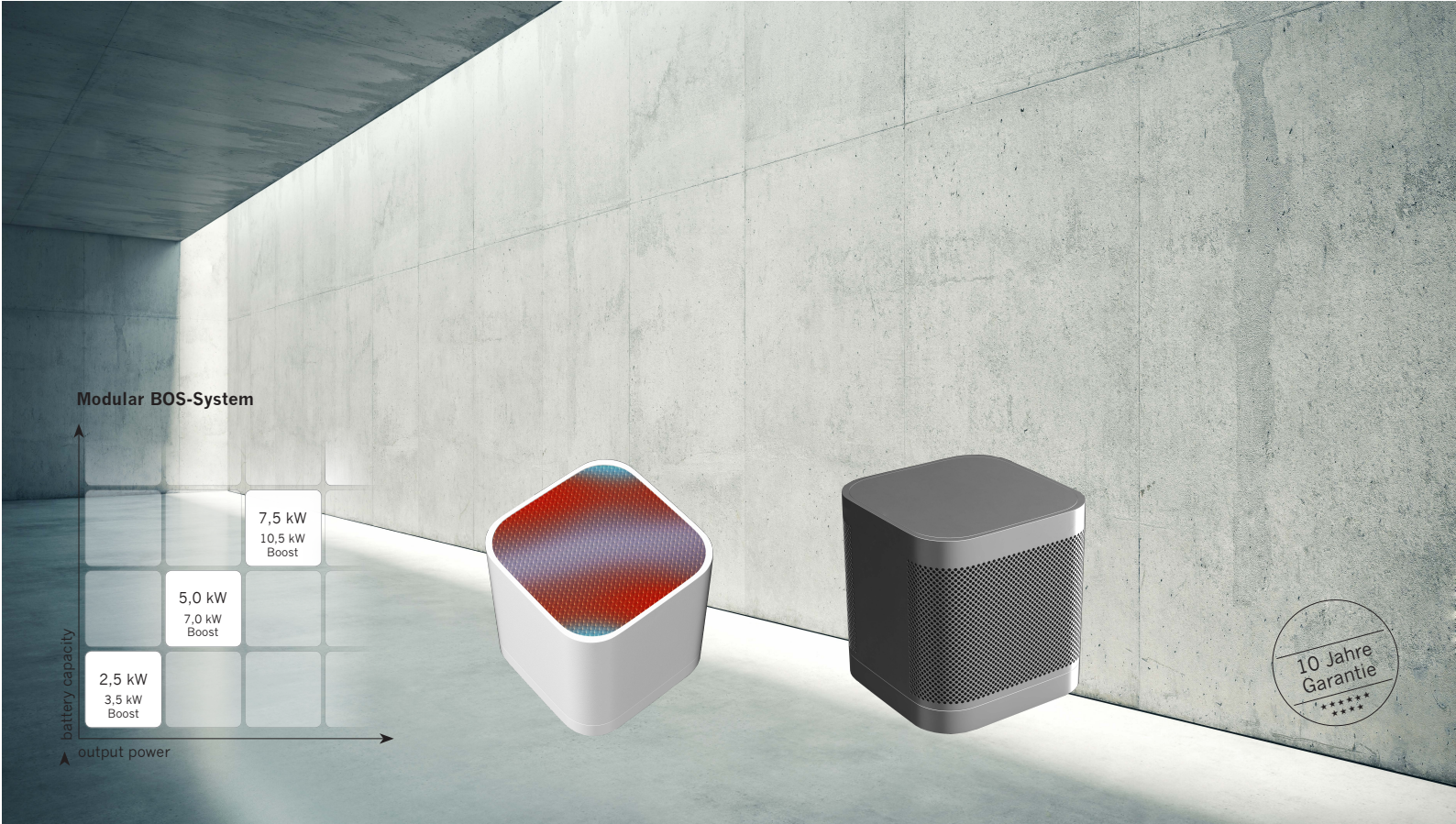
Data sheet

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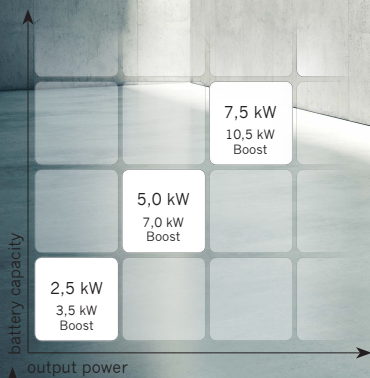
Hybrid - Inverter

	Hybrid - Inverter 5 / 2,5	Hybrid - Inverter 10 / 5,0	Hybrid - Inverter 15 / 7,5
PV Hybrid-Inverter nominal output [kW] (max.)	5 (5,4)	10 (10,8)	15 (16,2)
MPP tracker power (limited power)	2x 3,5 kW (bridged 1x 5 kW)	4x 3,5 kW (bridged 2x 5 kW)	6x 3,5 kW (bridged 3x 5 kW)
MPP voltage range (4 modules are sufficient)	80 – 400 V		
Recommended PV output	6 kW	12 kW	18 kW
Charge controller/battery inverter DC [kW] (Boost, 45s)	2,5 (3,5)	5,0 (7,0)	7,5 (10,5)
Max. inverter efficiency	97,50%		
Max. battery efficiency	98,00%		
Dimensions per unit (h/w/d) & weight	350 x 350 x 350 mm, 30 kg		
Type of operation	1-phase	2-phase	3-phase
Operating temperatures	0°C – 45°C		
Protection class (in-/outdoor)	IP 65		
Multi-Display	yes		
Cooling (at rated power)	fanless		
Communication ports	RS485, Ethernet, Raspberry 3 (available)		
Warranty*	10 years		
Delivery time/deliverable	-		
Flexible integration in existing PV systems	yes		
Certification (countries)	VDE-AR-N 4105, DIN EN-62109, EN 61000-6-2, EN 61000-6-3 In preparation throughout Europe : EN 50438, CEI 0-21, G59, G83		





Modular BOS-System



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BOS-Systems | Hybrid - Inverter & Battery

	BOS-System Set15/10/7,5	BOS-System Set15/20/7,5	BOS-System Set30/40/15
PV Hybrid-Inverter nominal output [kW] (max.)	15 (16,2)	15 (16,2)	30 (32,4)
MPP tracker power (limited power)	6x 3,5 kW (bridged 3x 5 kW)	6x 3,5 kW (bridged 3x 5 kW)	12x 3,5 kW (bridged 6x 5 kW)
MPP voltage range (4 modules are sufficient)	80 – 400 V		
Recommended PV output	18 kW	18 kW	36 kW
Effective battery capacity [kWh]	8,8 (10)	17,6 (20)	35,2 (40)
Cell chemistry	Lithium-NCM		
Depth of discharge (DoD)	85%		
Charging cycles	> 10000		
Charge controller/battery inverter DC [kW] (Boost, 45s)	7,5 (10,5)	7,5 (10,5)	15 (21)
Max. inverter efficiency	97,50%		
Max. battery efficiency	98,00%		
Hybrid-Inverter Dimensions per unit (h/w/d) & weight	350 x 350 x 350 mm, 30 kg		
Battery Dimensions per unit (h/w/d) & weight	350 x 350 x 350 mm, 35 kg		
Typ of operation	3-phase	3-phase	3-phase
Operating temperatures	0°C – 45°C		
Protection class (in-/outdoor)	IP 65		
Multi-Display	yes		
Cooling (at rated power)	fanless		
Communication ports	RS485, Ethernet, Raspberry 3 (available)		
Warranty Hybrid-Inverter*	10 years		
Warranty Battery*	5 years		
Delivery time/deliverable	-		
Flexible integration in existing PV systems	yes		
Certification (countries)	VDE-AR-N 4105, DIN EN-62109, EN 61000-6-2, EN 61000-6-3 European wide in preparation: EN 50438, CEI 0-21, G59, G83		