



Smart connections.

Technical Specification

PLENTICORE BI 5.5/26 - 10/26
with BMZ HYPERION

BI
Battery Inverter

	PLENTICORE BI power class		5.5/26	10/26
Input (DC)	Working voltage for battery input ($U_{DCworkbatmin} - U_{DCworkbatmax}$)	V	120...650	
	Charging current/discharging current at battery input	A	26/26	26/26
	Number of DC inputs		1	
Output (AC)	Rated power, $\cos \varphi = 1$ ($P_{AC,r}$)	kW	5.5	10
	Max. apparent output power, $\cos \varphi_{adj}$	kVA	5.5	10
	Min. Output voltage (U_{ACmin})	V	320	
	Max. Output voltage (U_{ACmax})		460	
	Rated output current ($I_{AC,r}$)	A	7.94	14.43
	Max. output current (I_{ACmax})	A	8.82	16.04
	Grid connection		3N~, 400V, 50 Hz	
	Standby / Standby night consumption	W	7,9	
η	Max. efficiency Bat2AC	%	96.6	96.7
	Max. efficiency AC2Bat	%	96.8	96.8
System data	Protection class according to IEC 60529		IP 65	
	Height/width/depth	mm	563/405/233	
	Weight	kg	17.9	19.9
	Ambient temperature	°C	-20...60	
	Connection technology, DC side		SUNCLIX plug	
Directives/Certification ¹⁾		CE, GS, IEC62109-1, IEC62109-2, EN60529, DIN VDE 0126-1-1:2013-08, VDE AR-N4105:2018, VDE AR-N4100:2018, TOR Erzeuger, ÖNORM E8001-4-712/A2:2016, NA/EEA-CH 2014, IEC62116:2014		

BMZ HYPERION - power class		3 Modules	4 Modules	5 Modules	6 Modules	
Systemdaten	Max. Power consumption in connection with PLENTICORE BI 5.5/26	kW	4.0	5.4	5.5	5.5
	Max. Power consumption in connection with PLENTICORE BI 10/26	kW	-	-	6.7	8.1
	Energy content / Usable capacity ²⁾	kWh	9.7/7.5	12.9/10	16.1/12.5	19.3/15
	Usable capacity with PLENTICORE plus 95% DoD ³⁾	kWh	7.1	9.5	11.9	14.3
	Number of battery modules		3	4	5	6
	Battery type		Li-Ion NMC			
	Nominal voltage	V	155	207	258	310
	Voltage range	V	134...170	179...227	224...284	268...340
	Interface to inverter		RS485			
	Width/height/depth	mm	751/870/423			
	Weight	kg	107	129	151	173
	Ambient temperature	°C	0...45			
	IP protection class		IP 21			
Certification / Safety Standard		CE / UN 38.3 / IEC 62619				

Subject to technical changes. Errors excepted. You can find current information at www.kostal-solar-electric.com.

¹⁾ Does not apply to all national annexes, ²⁾ According to the battery manufacturer, ³⁾ 95% of the usable capacity according to the battery manufacturer