

PLENTICORE BI 5.5/26 - 10/26

with AXITEC AXIstorage Li SV1/SV2



Technical Specification

Input (DC)	PLENTICORE BI power class		5.5/26	10/26
	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})		500	
	Rated output current ($I_{AC,r}$)	A	7.94	14.43
	Max. output current (I_{ACmax})	A	8.82	16.04
	Grid connection		3N~, 230/400 V, 50 Hz	
η	Standby / Standby night consumption	W	7.9	
	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	

System data	AXITEC		AXIstorage Li SV1 ⁴⁾					AXIstorage Li SV2 ⁵⁾		
	Module type		Li-Ion LFP 3.552kWh, 48V, 74Ah, 36kg					Li-Ion LFP 3.552kWh, 96V, 37Ah, 35kg		
	Max. Power consumption in connection with PLENTICORE BI 5.5/26	kW	3.7	5.0	5.5	5.5	5.5	5.0	5.5	5.5
	Max. Power consumption in connection with PLENTICORE BI 10/26	kW	3.7	5.0	6.2	7.5	8.7	5.0	7.5	10
	Usable capacity 95%/100% DoD ³⁾	kWh	10.1/ 10.65	13.5/ 14.20	16.9/ 17.76	20.2/ 21.31	23.6/ 24.86	6.7/ 7.10	10.1/ 10.65	13.5/ 14.20
	Number of battery modules		3	4	5	6	7	2	3	4
	Nominal voltage	V	144	192	240	288	336	192	288	384
	Voltage range	V	130.5- 162	174- 216	217.5- 270	261- 324	304.5- 378	174- 216	261- 324	348- 432
	Interface to inverter		RS485							
	Height	mm	700	870	1040	1210	1380	822	1118	1414
	Width/depth	mm	600/380					450/296		
	Weight	kg	122	158	194	230	266	82	117	152
	Ambient temperature	°C	-0...50							
	IP protection class		IP 55							
	Certification / Safety Standard		VDE2510-50, IEC62619, IEC62477-1, IEC62040-1, CEC, CE, UN38.3							
	EMC		EN 61000-6-2, EN 61000-6-3							

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, ⁴⁾ Axitec AXIstorage Li SV1 battery compatible with BMS module: Li SV1 BMS with article number: AY10785, ⁵⁾ Axitec AXIstorage Li SV2 battery compatible with BMS module: Li SV2 BMS with article number: AY10786