

PLENTICORE BI

with LG RESU FLEX



Technical Specification

PLENTICORE BI power class		5.5/26	10/26
Input (DC)	Working voltage for battery input ($U_{DCworkbatmin} - U_{DCworkbatmax}$)	120...650	
	Charging current/discharging current at battery input	26/26	26/26
	Number of DC inputs	1	
Output (AC)	Rated power, $\cos \varphi = 1$ ($P_{AC,r}$)	5.5	10
	Max. apparent output power, $\cos \varphi_{adj}$	5.5	10
	Min. Output voltage (U_{ACmin})	320	
	Max. Output voltage (U_{ACmax})	460	
	Rated output current ($I_{AC,r}$)	7.94	14.43
	Max. output current (I_{ACmax})	8.82	16.04
	Grid connection	3N~, 400V, 50 Hz	
	Standby / Standby night consumption	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	563/405/233	
	Weight	17.9	19.9
	Ambient temperature	-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	

LG Energy Solution		RESU FLEX 8.6	RESU FLEX 12.9	RESU FLEX 17.2
Module type		Li-Ion NMC, BMA 48,9kg ³⁾ , BPU 16.5kg ³⁾		
System data	Max. Power consumption in connection with PLENTICORE BI 5.5/26	5.5		
	Max. Power consumption in connection with PLENTICORE BI 10/26	5.8	8.8	10
	Usable capacity 95%/100% DoD ²⁾	8,17/8.60	12.26/12.90	16.34/17.20
	Number of battery modules	2	3	4
	Voltage range	192-265.6	288-398.4	384-531.2
	Interface to inverter	RS485		
	Height/Wight	665,2/665,2		
	Depth	445.2	593.6	742
	Weight	114.3	163.2	212.1
	Operating temperature	-10...50		
	IP protection class	IP 55		
	Certification / Safety Standard	CE, RCM, UL1973, IEC62619, IEC62477-1		
	EMC	FCC, IEC61000-6-1, IEC61000-6-2, IEC61000-6-3		

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⁾ The weight of the bracket and design cover is not included.