

PLENTICORE BI 5.5/26 - 10/26

with Dyness Tower



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})	500	
	Rated output current ($I_{AC,r}$)	7.94	14.43
	Max. output current (I_{ACmax})	8.82	16.04
	Grid connection	3N~, 230/400 V, 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	

Dyness		Tower T7	Tower T10	Tower T14	Tower T17
Module type		Li-Ion LFP 3.552kWh, 96V, 37Ah, 41kg			
System data	Max. Power consumption in connection with PLENTICORE BI 5.5/26	5.0	5.5		
	Max. Power consumption in connection with PLENTICORE BI 10/26	5.0	7.5	10	
	Usable capacity 95%/100% DoD ²⁾	6.7/7.1	10.1/10.7	13.5/14.2	16.9/17.8
	Number of battery modules	2	3	4	5
	Nominal voltage	192	288	384	480
	Voltage range	168-219	252-328	336-438	420-547
	Interface to inverter	RS485			
	Height/Wight	700	900	1100	1300
	Depth	504/380			
	Weight	105	146	187	228
	Operating temperature	-0...50			
	IP protection class	IP54			
	Certification / Safety Standard	IEC 62040-1, IEC 62619, IEC 63056, UL 1973, CE			
	EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4			

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.