



Smart
connections.

Technical Specification

PLENTICORE BI 5.5/26
with Nilar Home Box

BI
Battery Inverter

	PLENTICORE BI power class		5.5/26
Input (DC)	Working voltage for battery input ($U_{DCworkbatmin} - U_{DCworkbatmax}$)	V	120...650
	Charging current/discharging current at battery input	A	26/26
	Number of DC inputs		1
	Rated power, $\cos \varphi = 1$ ($P_{AC,r}$)	kW	5.5
Output (AC)	Max. apparent output power, $\cos \phi_{adj}$	kVA	5.5
	Min. Output voltage (U_{ACmin})	V	320
	Max. Output voltage (U_{ACmax})		460
	Rated output current ($I_{AC,r}$)	A	7.94
	Max. output current (I_{ACmax})	A	8.82
	Grid connection		3N~, 400V, 50 Hz
	Standby / Standby night consumption	W	7.9
	η	Max. efficiency Bat2AC	%
Max. efficiency AC2Bat		%	96.8
System data	Protection class according to IEC 60529		IP 65
	Height/width/depth	mm	563/405/233
	Weight	kg	17.9
	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	

Nilar Home Box		E-288V-5,76kWh-K	EPLUS-288V-6,91kWh-K	
Module type		Nickel Metal Hydride		
System data	Max. Power consumption in connection with PLENTICORE BI 5.5/26	kW	5.5	3.46
	Usable capacity 95%/100% DoD ²⁾	kWh	5.47/5.76	6.57/6.91
	Number of battery modules		4	
	Nominal voltage	V	288	
	Voltage range	V	264-384	
	Interface to inverter		RS485	
	Height/width/depth	mm	945/900/270	
	Weight	kg	200	
	Ambient temperature	°C	-10...40	
	IP protection class		IP 20	
	Certification / Safety Standard		CE, EN 61439-1:2011, EN 61439-2:2011, IEC 61010	
	EMC		EN 61000-6-2:2005 (Immunity) EN 61000-6-3:2007 (Emission)	

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