

PLENTICORE BI 5.5/26 - 10/26

with Wintersun



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	

Wintersun		Power-CORE 1.0				Energy-CORE 1.0				
Modul type		2.76 kWh, 102.4 V, 25 Ah, 35 kg, LFP				3.2 kWh, 64 V, 50 Ah, 36.5 kg, LFP				
System data	Number of battery modules	2	3	4	5	4	5	6	7	8
	Usable capacity 95%/100% DoD ²⁾	5.24 / 5.52	7.87 / 8.28	10.49 / 11.04	13.11 / 13.80	12.16 / 12.8	15.20 / 16.00	18.24 / 19.20	21.28 / 22.40	24.32 / 25.60
	Max. Power consumption in connection with PLENTICORE BI 5.5/26	5.1	5.5							
	Max. Power consumption in connection with PLENTICORE BI 10/26	5.1	7.67	10	10	6.66	8.32	9.98	10	10
	Nominal voltage	205	307	410	512	256	320	384	448	512
	Voltage range	173-234	259-350	346-467	432-584	216-292	270-365	324-438	378-511	432-584
	Height	625	800	975	1150	975	1150	1325	1500	1675
	Width/depth	650/260								
	Weight	90	125	160	195	166	205	239	276	312
	Interface to inverter	RS485								
	Ambient temperature	-10...55								
	IP protection class	IP 65								
	Certification / Safety Standard	VDE2510-50 / IEC62619 / CEC / CE / UN38.3								

¹⁾ Does not apply to all national annexes

²⁾ Test Conditions: 0.2 C charge and discharge at +25 °C, real usable capacity with Plenticoe BI system / theoretically usable capacity acc. battery data sheet at 100% DoD