

## Self-Declaration on the compatibility of the BYD Battery-Box HV 5.1

The company

KOSTAL Solar Electric GmbH  
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hereby confirms that the inverters:

### PLENTICORE plus 3.0 / 4.2 / 5.5 / 7.0 / 8.5 / 10

are compatible with the **BYD Battery-Box HV 5.1** storage system (4 memory modules) and can be used.

| BYD Battery-Box HV power class                                                                                                                                               |     | H 5.1                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------|
| Max. Power consumption in connection with PLENTICORE plus 4.2-10<br><small>Depending on the max. Rated power AC of the inverter (4.2 max 4.2 kW and 5.5 max 5.5 kW),</small> | kW  | 2.80                                          |
| Usable capacity<br><small>Test Conditions: 100% DOD, 0,2 C charge and discharge at + 25 ° C</small>                                                                          | kWh | 5.12                                          |
| Number of battery modules                                                                                                                                                    |     | 4                                             |
| Battery type                                                                                                                                                                 |     | Lithium iron phosphate (LiFePO <sub>4</sub> ) |
| Nominal voltage                                                                                                                                                              | V   | 204                                           |
| Voltage range                                                                                                                                                                | V   | 160...225                                     |
| Interface to inverter                                                                                                                                                        |     | RS485                                         |
| Height/width/depth                                                                                                                                                           | mm  | 774/580/380                                   |
| Weight                                                                                                                                                                       | kg  | 122                                           |
| Ambient temperature                                                                                                                                                          | °C  | -10...50                                      |
| IP protection class                                                                                                                                                          |     | IP 55                                         |

This declaration certifies compliance with the harmonisation legislation provisions named, but does not contain any assurance of properties. Observe the safety instructions in the enclosed product documentation!

**KOSTAL Solar Electric GmbH – Freiburg, 10.02.2020**



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