**Photovoltaic inverter, 3-phase, 4.0...7.0 kVA, 3-MPP tracker**

Transformerless three-phase inverter for photovoltaic systems with 3 MPP trackers (17A max. MPPT current each), can be used universally as a solar, hybrid or battery inverter, optional power extension with activation code, optional activation of the 3rd MPP tracker as a battery input for connecting a compatible HV storage system, prepared for additional battery charging via existing AC energy sources. MPP tracker as battery input for connecting a compatible HV storage system, prepared for additional battery charging via existing AC energy sources, backup power operation with manual changeover switch (KOSTAL BackUp Switch) or automatic changeover device possible, type 2 DC overvoltage protection module can be integrated as an option, with data logger, suitable for indoor and outdoor installation, max. input voltage 1000 V, mains connection 1000 V, mains connection 1000 V max. Input voltage 1000 V, 3-phase 400 V/230 V mains connection, power factor 0.8 overexcited to 0.8 underexcited, max. efficiency min. 98.03 %, Euro efficiency min. 97.20 %, protection class (to IEC 62103) I, with automatic disconnection point to VDE 0126-1-1, protection rating to ICE 60529 IP 65, ambient temperature -20 to +60 °C, transformerless topology, DC connection 4...6 mm² with Sunclix connectors, AC connection 1.5...4 mm², interfaces 2x LAN, WIFI, RS 485 for communication with Smart Meter, USB, signal input for evaluating an external overvoltage protection, 4 potential-free relay outputs (24V, 100mA) for load control (SG-Ready-compatible) and data interface for cascading inverters, display, LED indicators, visualisation via integrated web server, display or smartphone application possible, with self-learning shadow management, with Solar Portal for monitoring the PV system incl. error notification in the event of a fault. error notification by email in the event of a fault, smart home integration via Modbus / Sunspec (TCP), with connection for Energy Meter for dynamic active power control and 24-hour self-consumption measurement, with integrated input for direct connection of a ripple control receiver or an FNN control box, EEBus-compatible , "AutoUpdate" software update via the Internet, certification in accordance with VDE 0100-712 and VDE-AR-N 4105.

Basic output: 4.0 kW

Max. Output power (cos φ = 1): 7.0 kVA

Max. PV output: 10.25 kWp

Optional power extension level 1: 5.5 kW

Optional power extension level 2: 7.0 kW

MPP working voltage range: 75 - 900 V

Manufacturer/Type

'Kostal / PLENTICORE S G3'  
or equivalent

Manufacturer/Type

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to be entered by the bidder.