**Photovoltaic inverter, 3-phase, 3.0 kVA, 3-MPP tracker**

Inverter for photovoltaic systems, with 3 MPP trackers, of which 1 MPP input can be used as a DC input for photovoltaic or battery systems, with data logger suitable for indoor and outdoor installation, max. input voltage 1000 V, max. input current per MPP tracker 13 A, 3-phase 400 V/230 V mains connection, power factor 0.8 overexcited to 0.8 underexcited, efficiency min. 97.1 %, Euro efficiency min. 96.5 %, protection class (to IEC 62103) I, with automatic disconnection point to VDE 0126-1-1, protection class to ICE 60529 IP 65, ambient temperature -20 to +60 °C, transformerless topology, DC connection 4 - 6 mm², AC connection 4 - 6 mm², LAN interfaces for TCP/IP, Modbus RTU, RS 485 for communication with smart meters, USB, potential-free relay output and data interface for cascading inverters, display, LED message 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. Solar Portal for monitoring the PV system including error notification by e-mail in the event of a fault, smart home integration via Sunspec, with output 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 including certification in accordance with VDE 0100-712 and VDE-AR-N 4105,

Max. Output power: 3.0 kVA

Max. PV power (cos φ = 1): 4.5 kWp

MPP range at rated power in two-tracker operation: 180 - 720 V

MPP range at rated power in three-tracker operation: 140 - 720 V

MPP working voltage range: 120 - 720 V

Manufacturer/Type

'Kostal / PLENTICORE plus 3'   
or equivalent

Manufacturer/Type

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to be entered by the bidder.