**Tender text PIKO CI G2**

KOSTAL PIKO CI 50 G2

**Commercial photovoltaic inverter, 3-phase, 55.6 kVA, 4-MPP tracker**

With 4 MPP trackers and integrated data logger, suitable for indoor and outdoor installation, max. input voltage: 1100 V, maximum input current per MPP tracker: MPPT 1: 40 A / MPPT 2-4: 32 A, mains connection: 3-phase 400 V, power factor: 0.8 overexcited to 0.8 underexcited, max. Efficiency: min. 98.2 %, Euro efficiency min. 97.8 %, protection class (according to EN 62109-1): I, with automatic disconnection point according to VDE 0126-1-1, integrated coupling switch, protection class according to ICE 60529: IP 66, ambient temperature: -25 to +60 °C, topology: transformerless, DC connection: 4 - 6 mm², AC connection: 35 - 50 mm², interfaces: LAN for TCP/IP, Modbus RTU, RS 485 for communication with Smart Meter, Bluetooth for connection with the KOSTAL PIKO CI APP, Arc detection (AFCI), Integrated replaceable overvoltage protection type 2 (AC/DC), Integrated KOSTAL Smart AC Switch, Data interface for cascading inverters (daisy chain), Displays: LED message displays, visualisation via smartphone application possible, with Solar Portal for monitoring the PV system incl. error notification by email in the event of a fault, 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 or an FNN control box. 4-wire AC connection. Certification according to EN62109-1, EN62109-2 and VDE-AR-N 4105:2018

Max. Output power: 55.6 kVA

Max. PV power (cos φ = 1): 75 kWp

MPP range at rated power: 500 - 850 V

MPP operating voltage range: 180 - 1000 V

LAN connections / Daiys Chain: 2 / yes

Manufacturer/Type

'Kostal / PIKO CI 50 G2'

or equivalent.

Manufacturer/Type

'....................................................'

to be entered by the bidder.