

# SmartPDU 40U, 3x63A (44kVA) - Datasheet



ORDER-CODES:

KPMDU-NC-2412C13C19-3-63

<b>Type</b>	<b>KPMDU-NC-2412C13C19-3-63</b>
<b>Rated power, voltage</b>	44kVA, 400/230V
<b>Connector plug</b>	CEE plug( <b>RED</b> ) to IEC60309, 5-pin, 63A/230/400V
<b>Connection cable</b>	Length 3m, rubber hose cable H07RN-F-5G16
<b>Sockets C13 (IEC60320)</b>	24
<b>Sockets C19 (IEC60320)</b>	12
<b>Locking sockets</b>	IEC-LOCK for C13/C19
<b>Fuse circuit breaker with hinged cover</b> (rated current, characteristic, short-circuit current)	12x 16A C-type, 6kA
<b>Current measurement (calibrated)</b>	Integrated, calibrated current measurement, accuracy Class B (MID, EN 50470-3) Minimum current 250mA, maximum current 32A
<b>Residual current measurement (RCM)</b> (Optional)	Integrated AC/DC sensitive residual current measurement according to IEC 60664-1 ±300mA/100mA (RMS), accuracy <0.2mA Frequency range DC 0..2kHz
<b>Connectivity</b>	Ethernet (10/100MBit), PoE Class 3
<b>Kentix system socket (type B)</b>	RJ45 with Kentix specific pinout for system expansion 2 x digital input (e.g. door contacts, leakage detector, ext. alarms) 1 x System BUS
<b>Communication and security</b>	HTTPS (certificate), integrated web server, ReSt API Protocols: SNMP V2/3 (GET, TRAP), NTP, SMTP, DHCP, DNS, MODBUS-TCP
<b>Management</b>	Main satellite management via KentixONE

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<b>Measurement/communication objects</b>	Voltage (V) L1/L2/L3/Total Current (A) L1/L2/L3/Total Consumption (kWh) L1/L2/L3/Total Active power (W) L1/L2/L3/total Apparent power (VA) L1/L2/L3/total Reactive power (VAR) L1/L2/L3/Total Effective factor (cos phi) Frequency (Hz) Phase monitoring L1/L2/L3 Differential current AC (optional) Differential current DC (optional) Fuse status L1/L2/L3 Temperature (°C) Relative humidity (%) Dew point (°C) Vibration (G) Air quality VOC (AIQ index)
<b>Display (LCD)</b>	Illuminated LCD display (power, current, voltage, consumption)
<b>Optical signaling</b>	LED with RED/GREEN (operation, alarm/error status)
<b>Acoustic signaling</b>	Signal generator with 80dB, 2.3kHz (alarm/fault conditions)
<b>Factory state</b>	Button for factory reset in side panel <b>(Default IP: 192.168.100.226)</b>
<b>Power dissipation</b>	approx. 100W (full load)
<b>Housing</b>	Sheet metal, powder coated RAL9005, protection class 1, protection class IP20, mounting bracket can be mounted at a distance of 5U
<b>Size</b>	1770 x 78.2 x 62.5 mm (HxWxD)
<b>Weight</b>	approx. 13,5kg
<b>Environmental conditions</b>	0°C to 60°C, humidity 5-95%, storage temperature: -20°C to 60°C
<b>Certification</b>	CE (2014/30/EC, 2014/35/EC, 2011/65/EU)
<b>Electrical safety</b>	DGUV-V3 testing, VDE 0105-100
<b>Marking</b>	Serial number (barcode), additional free Marking area front panel (60x30mm)

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<b>Scope of delivery</b>	SmartPDU with connection cable 3m and plug, mounting material: 3 pieces 90° angle bracket, 12 pcs. countersunk head screws M3x15 with hexagon socket 2mm, front foils A/B (ORANGE), test report
<b>Accessories</b>	Front foil A (RED) Front foil B (BLUE)