

# cXale SmartPDU 47HE, (up to 22kVA) - Datasheet



## ORDER-CODES:

KPMDU-xx-xx-xx-2424-3-32-V, KPMDU-xx-xx-xx-2424-3-16-V, KPMDU-xx-xx-xx-2424-1-32-V

Types	KPMDU-xx-xx-xx-2424-3-32-V	KPMDU-xx-xx-xx-2424-3-16-V	KPMDU-RC-xx-xx-2424-1-32-V
<b>Rated power, voltage</b>	up to 22kVA, 230V	up to 11kVA, 230V	up to 7.3kVA, 230V
<b>Connector plug</b>	CEE plug( <b>RED</b> ) to IEC60309, 5-pin, 32A/230/400V	CEE plug( <b>RED</b> ) to IEC60309, 5-pin, 16A/230/400V	CEE plug( <b>blue</b> ) to IEC60309, 3-pin, 32A/230V
<b>Connection cable</b>	Length 3m, rubber hose cable H07RN-F-5G6 Cable input to PDU ±45° swiveling	Length 3m, rubber cable H07RN-F-5G2.5 Cable input to PDU ±45° swivelable	Length 3m, rubber cable H07RN-F-3G6 Cable inlet on PDU can be swiveled ±45°
<b>Sockets C13 (IEC60320)</b>	24	24	24
<b>Combined socket outlets Cx (C13, C15, C19, C21 IEC60320)</b>	24	24	24
<b>Locking sockets</b>	IEC-LOCK for C13/Cx		
<b>Fuse circuit-breaker with hinged cover (rated current, characteristic, short-circuit current)</b>	6x 16A C-type, 10kA	6x 10A C-type, 10kA	6x 16A C-type, 10kA
<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), optional</b>	Integrated AC/DC sensitive residual current measurement in accordance with IEC 60664-1 ±300mA/100mA (RMS), Accuracy <0.2mA Frequency range DC 0...2kHz Only integrated in types <b>KPMDU-RC-...</b>		
<b>Overvoltage protection, optional</b>	Modular surge arrester type 2+3, rated leakage surge current (8/20 μs) 20kA, Max. Leakage surge current (8/20 μs) 40kA Only integrated in types <b>KPMDU-RC-...-SP-...</b>		
<b>Connectivity</b>	Ethernet (10/100MBit), PoE Class 3		
<b>Kentix system socket (type B)</b>	RJ45 with Kentix-specific assignment for system extensions 2 x Digital Input (e.g. door contacts, leakage detectors, external 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		
<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 Power quality harmonics (%) THD U/I - L1/L2/L3 Effective factor (cos phi) Frequency (Hz) Phase monitoring L1/L2/L3 Differential current AC Differential current DC Backup 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)		

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<b>Optical signaling</b>	LED with RED/GREEN (operation, alarm/error status)		
<b>Acoustic signaling</b>	Signal transmitter with 80dB, 2.3kHz (alarm/error states)		
<b>Factory state</b>	Button for factory reset( <b>default IP: 192.168.100.226</b> )		
<b>Power dissipation</b>	max. 40W (full load)		
<b>Housing</b>	Sheet metal, powder-coated RAL9005, protection class 1, protection rating IP20, mounting bracket		
<b>Size</b>	2080 x 55.5 x 63 mm (HxWxD)		
<b>Weight</b>	approx. 10kg		
<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 labeling area Front panel (60x30mm)		