LoRaWAN configuration

Network mode	Public (SyncWord 0x34)
Region	EU868
Activation type	Over the Air Activation
DevEUI	303134374D09261F
AppEUI	70-B3-D5-7E-D0-00-EF-E5
AppKey	F52E5E7D7D549E9FF3EDD395F785312D
Application port	2

Packets contain 128 bytes long binary payload consisting of a device info section that is followed by four identically structured phase measurement data sections.

All fields encode values as one, two, three or four byte integers in big-endian byte ordering. Signed values use two's complement.

Packet payload binary format, version 1

	Offset, bytes	**Size, bits**	**Signed**	**Value**	**Unit**
Device info Not repeated	0	8	no	Packet format version, 1	N/A
	1	8	no	Relative air humidity	0.5%
	2	16	yes	Air temperature	0.1℃
Phase data Repeats x4	4 + n*31 + 0	16	no	Average RMS voltage	10mV
	4 + n*31 + 2	24	no	Average RMS current	10mA
	4 + n*31 + 5	16	no	Peak current	1A
	4 + n*31 + 7	16	yes	Average power factor	0.001
	4 + n*31 + 9	24	yes	Average active power	1W
	4 + n*31 + 12	24	yes	Average reactive power	1VAr
	4 + n*31 + 15	32	no	Total positive active energy	1Wh

	4 + n*31 + 19	32	no	Total negative active energy	-1Wh
	4 + n*31 + 23	32	no	Total positive reactive energy	1VArh
	4 + n*31 + 27	32	no	Total negative reactive energy	-1VArh

n = phase number - 1
(n=0 for L1, n=1 for L2, n=2 for L3, n=3 for Neutral current or additional single phase current measurement)