

QUINT-HP-UPS/120AC/1.5KVA/PT - Uninterruptible power supply



1136804

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QUINT AC UPS, IQ Technology, Wall mounting, input: 120 V AC, output: 120 V AC / 1500 VA.

Product description

The QUINT HP UPS for wall mounting, with IQ Technology and matching external battery module, ensures superior system availability. The online topology with a pure sine wave reliably supplies your AC loads with a perfect voltage at powers ranging from 1.5 kVA to 2.5 kVA.

Your advantages

- Pure sine wave in normal and battery operation
- Can be switched in parallel for increased performance, redundancy, or for a 3 AC system
- Startup from the energy storage system possible, even without mains input
- Communication platform: Com.board with USB or serial interface
- Compact design with active cooling

Commercial data

Item number	1136804
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	CMUW15
GTIN	4063151072926
Weight per piece (including packing)	4,900 g
Weight per piece (excluding packing)	4,400 g
Country of origin	DE

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Technical data

Input data

Input voltage	100 V AC -10 % / +20 %
	110 V AC -10 % / +20 %
	120 V AC -10 % / +15 %
	130 V AC -15 % / +10 %
Voltage type of supply voltage	AC
Frequency range (f_N)	47.5 Hz ... 52.5 Hz
	57 Hz ... 63 Hz
Bypass fuse	30 A T 250 V
Permissible backup fuse	32 A (Listed breaker)
Current consumption	nom. 19 A (100 V AC)
	nom. 17.3 A (110 V AC)
	nom. 15.9 A (120 V AC)
	nom. 14.6 A (130 V AC)
	max. 25.8 A (100 V AC)
	max. 23.4 A (110 V AC)
	max. 21.5 A (120 V AC)
Rated short-time current carrying capacity I_{cw}	max. 21 A (130 V AC)
	6 kA

Output data

Classification according to IEC 62040-3	VFI-SS-111
Efficiency	> 94 % (100% load, battery charged)
	> 90 % (100% load, battery charged)
Apparent power	1500 VA
Real power	1350 W
Power factor (cos phi)	0.9
Crest factor	2.8
Switch-over time	0 ms
Connection in parallel	yes
	max. 3
Connection in series	no
Overload capability Mains operation	120 % ... 150 % (20 s / 5 s, then switch to bypass operation)
Overload capability Battery operation	120 % ... 150 % (20 s / 5 s, then shutdown)
Overload capability Bypass mode	120 % ... 150 % (for a sustained period / 20 s, then shutdown)
Rated short-time current carrying capacity I_{cw}	6 kA

Mains operation

Output voltage	100 V AC ± 2 %
	110 V AC ± 2 %

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	120 V AC ± 2 %
	130 V AC ± 2 %
Form of output voltage	Pure sine
Output current	nom. 15 A (100 V AC)
	nom. 13.6 A (110 V AC)
	nom. 12.5 A (120 V AC)
	nom. 11.5 A (130 V AC)
Maximum no-load power dissipation	28 W
Power loss nominal load max.	75 W (100% load, battery charged)
Nominal output frequency	50 Hz
	60 Hz
	± 0.5 % (Output frequency tolerance)
Electronic current limitation	> 2,5 x Output: Current nom. (> 200 ms)

Battery operation

Maximum no-load power dissipation	25 W
Power loss nominal load max.	140 W (100% load, battery charged)
Nominal output frequency	50 Hz
	60 Hz
	± 0.5 % (Output frequency tolerance)
Total harmonic distortion factor (THD)	< 3 % (linear load)
	< 8 % (non-linear load)
Electronic current limitation	> 2,5 x Output: Current nom. (> 200 ms)

Energy storage

Input

Input voltage	48 V DC
	max. 60 V DC
Input current	max. 40 A
Nominal capacity range	7 Ah ... 200 Ah
Charging current	max. 7 A

Output

Short-circuit current	650 A (< 1,5 ms)
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General

Connection in parallel	yes
	max. 5
Connection in series	no
IQ-Technology	yes
Permissible backup fuse	40 A
Temperature sensor	yes
Permissible backup fuse	40 A