Technical Specifications

UPS Rating kVA/kW (PF=1)	48 kW
Mains Input (Normal Operation)	
Grid system	3 phases + neutral + ground
Voltage range (full load)	340-477V
Frequency range	40-70Hz with 10 Hz/sec slew rate
Power factor (PF)	>0.98 @ load > 50%
I thd	< 5%
Nominal input current	77A @ 380V, 73A @ 400V, or 70A @ 415V
Maximum input current (Nominal Vin, 10% charging batteries)	84.4A @ 380V, 80.2A @ 400V, or 77.3A @415V
Input current limit	98.3A @ 380V / 400V / 415V
Maximum input short-circuit level	30kA
Protection	Backfeed contactor
Bypass Input (Bypass operation)	
Grid system	3 phases + neutral + ground
Voltage (nominal)	380V / 400V / 415V
Voltage (range)	+/-10% (from selected voltage)
Frequency (nominal)	50/60Hz
Frequency (range)	+/-0.1Hz, +/-3Hz, +/-10Hz (user selectable)
Nominal input current	73A @ 380V; 69A @ 400V; 67A @ 415V
Maximum overload input current	84.4A @ 380V; 80.2A @ 400V; 77.3A @ 415V
Output	
Power rating	48kW
Grid system	3 phases + neutral + ground
Voltage (nominal)	380V / 400V / 415V L-L
Output Current (nominal)	73A @ 380; 69A @ 400V; 67A @ 415V
Maximum battery operation time	Unlimited
Frequency regulation	50/60Hz bypass synchronized, 50/60Hz +/-0.1% free running
Synchronized slew rate	Programmable to 0.25, 0.5, 1, 2, 4, 6Hz/sec
Overload (normal and battery operation)	150% for 60 seconds, 125% for 10 min, 100% continuous
V thd	< 2% from 0 to 100% linear load, < 6% full non-linear load according to IEC/EN62040-3
Load PF	from 0.5 leading to 0.5 lagging without any derating
Efficiency	
Normal operation	≥ 95% at 35% - 100% load; ≥90% @ 15% - 34% load
Battery operation	≥ 94% at 25% - 100% load; ≥90% @ 15% - 34% load
Mechanical	
Maximum dimensions (HxWxD)	1991 x 600 x 1070mm
Net weight	796kg
Shipping weight	858kg
UPS Frame Maximum Capacity	
16kW power modules	3
Battery modules	4
Power distribution modules	6
Regulatory Compliance	
CE, UL1778, EN/IEC62040-1-1, EN/IEC/UL60950-1, EN50091-2 / IEC62040-2 (class A), FCC15A, EN/IEC62040-3	

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