

CYBEREX® CYBERWAVE CI

UNINTERRUPTIBLE POWER SUPPLY

PRODUCT SPECIFICATIONS

MAIN INPUT

Voltage	415 VAC (Std) 480 VAC (Optional)
Voltage Range	+15 – 20% at Full Load +15 – 25% at 75% Load
Phase	3 Phase, 3 Wire
Frequency	50 Hz (Standard) 60 Hz (Optional)
Frequency Range	+/- 6%
Input Power Factor	> 0.95 at Full Load
Input Current Harmonics	< 28% at Full Load

DC BUS CHARGER

Voltage	110, 120, 220, 240, 360
Maximum DC Bus Ripple without Battery	< 2% RMS 100% load
Maximum DC Bus Ripple with Battery	< 1% RMS 100% load

OUTPUT

Nominal Voltage	220/230/240V (Standard) 110/115/120V (Optional)
Load Power Factor Rated	0.80
DC - AC Efficiency	92%
Load Crest Factor	3:1
Voltage Regulation Steady State 100% Step Load	< +/- 1% +/- 5%
Recovery Time	< 20 msec return to 98.9% nominal voltage
Overload	125% 10 minutes 150% 1 minute
Fault Clearing Capability	30% of UPS nominal current rated fuse within 10 ms
Bypass Synchronization Window	+/- 1% to 6% Field Programmable
Internal Oscillator	+/- 1%
Slew Rate	1 Hz/Sec
Total Harmonic Distortion Linear Load	< 3%
Nonlinear Load (Crest Factor 3:1)	< 5%
Frequency	50 Hz (Standard) 60 Hz (Optional)

OPERATING CONDITIONS

Ambient Temperature	0–45° C
Altitude	up to 1000 Meters from MSL
Humidity	90% Non-Condensing
Audible Noise @	55–70 dBA at 1 meter

ENCLOSURE

Construction	CRCA Steel Sheet
Protection Class	IP21 (Standard) IP31, IP41 (Optional)
Finish (Powder Coated)	RAL 7032 (Other Colors Optional)
Ventilation	Forced Air (Internal Fans)
Cable Entry	Bottom – (Top Optional)

PRODUCT SPECIFICATIONS

DIMENSIONS

kVA	Width	Depth	Height	Weight
10	1870 (mm) 6.1 (ft)	750 (mm) 2.5 (ft)	1300 (mm) 5.6 (ft)	700 (kg) 1540 (lbs)
20	2630 (mm) 8.6 (ft)	750 (mm) 2.5 (ft)	1500 (mm) 5.6 (ft)	750 (kg) 1650 (lbs)
30	2630 (mm) 8.6 (ft)	850 (mm) 2.8 (ft)	1700 (mm) 6.6 (ft)	1100 (kg) 2420 (lbs)
40	2900 (mm) 9.5 (ft)	850 (mm) 2.8 (ft)	1700 (mm) 6.6 (ft)	1500 (kg) 3300 (lbs)
60	3700 (mm) 12.1 (ft)	950 (mm) 3.1 (ft)	2000 (mm) 6.6 (ft)	1600 (kg) 3520 (lbs)
80	3900 (mm) 12.8 (ft)	950 (mm) 3.1 (ft)	2000 (mm) 6.6 (ft)	2000 (kg) 4400 (lbs)
100	3900 (mm) 12.80 (ft)	950 (mm) 3.12 (ft)	2000 (mm) 6.56 (ft)	2100 (kg) 4630 (lbs)
120	3900 (mm) 12.80 (ft)	1050 (mm) 3.44 (ft)	2000 (mm) 6.56 (ft)	2250 (kg) 4960 (lbs)
140	4200 (mm) 13.78 (ft)	1050 (mm) 3.44 (ft)	2000 (mm) 6.56 (ft)	2400 (kg) 5291 (lbs)
160	4200 (mm) 13.78 (ft)	1050 (mm) 3.44 (ft)	2000 (mm) 6.56 (ft)	2600 (kg) 5732 (lbs)

METERING PARAMETERS

- Mains Input
- Bypass Input
- Load on Bypass
- Charger Status
- Inverter Operation
- Load on Inverter
- Synchronization – bypass inverter
- Battery Status
- Battery Discharge
- Battery MCCB
- Alarm Indication

OPTIONS

- Parallel or Hot Standby Redundancy
- Input Isolation Transformer
- Bypass Line Regulator
- AC Distribution Panel
- PC Based Monitoring and Recording Unit
- RS-485 Communication Port
- Monitoring & LAN through SNMP
- Monitoring & LAN through Profibus
- Battery Monitoring System
- Remote Annunciator
- Automatic Shutdown Kit
- DSC Connectivity through Modbus / Profibus
- Individual Battery Health Monitoring Systems (BHMS)

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