

## COMPACT POWERON (5-30 KVA)




- Sine wave Output
- Intelligent Double Conversion
- Advanced IGBT Technology
- Self Diagnosis
- Control from Front Panel/Remote Locations.
- Detailed historical log of operating actions and abnormal power conditions.
- Intelligent battery monitoring (periodic battery testing and weak battery indication).
- Large 32 character LCD display UPS operating status, 16 different abnormal conditions & 11 real time power measures.
- High compatibility with generators.
- Automatic Static Bypass Switch capable of sustaining 300% rated current.
- Smart overload & short circuit protection for utility/ inverter mode.
- Site wiring fault indicator & control.
- High inrush current handling capability.
- Cold start function with full load connected.
- True RS232 interface port.
- Intelligent monitoring software for automatic system boot up and shut down, broadcasting warning messages on the network, logging and analyzing abnormal utility power conditions.
- SNMP manageability option.
- Option to support long run time applications (upto 8 hrs back up time).
- Frequency converter function option.
- Option for input Isolation Transformer for Universal Input Voltage applications.

### Special Features of Online Range

Model No.	5-6 KVA	8-10 KVA	12-15 KVA	20/25/30 KVA
<b>TYPE</b>	Intel microprocessor-controlled fully Intelligent Double Conversion On-Line			
OUTPUT P/F	0.8	0.8	0.8	0.8
<b>INPUT</b>				
Voltage	220/230 V +/- 20%		1-phase 220/230 V +/- 20%	
			3-phase 380/400/415 V +/- 20%	
<b>MECHANICAL</b>				
Dimensions (mm) (WxDxH)	260*600*700	90*680*700	390*790*820	390*880*820

Compact Systems (P) Ltd. takes pride in providing superior customer support & service through its own regional and area offices as well as through an elaborate dealer network spread throughout the country.

 **COMPACT SYSTEMS (P) LTD.**

### MSTECHNOLOGIES

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An ISO 9001:2008 Company

## Online and Line Interactive UPS

600 VA to 200 KVA

Technology used Innovatively to counter Variable Power Conditions

- ⚡ Transformer Based Technology
- ⚡ Detailed Historical Log
- ⚡ Micro Processors with 90% efficiency
- ⚡ Site Wiring Fault Indicator & Control
- ⚡ Equal Sharing of current Across all 3 phases



 **COMPACT - UPS**  
Power to perform. Anytime

[www.compactups.com](http://www.compactups.com)

Electricity Generation, Transmission and Distribution have NOT evolved at the pace of computer and communication technology. There is a need for protection against the cost of downtime and damaged equipment.

**COMPACT** offers **Rugged, Proven in the Field** products, in step with the **latest technological innovations** and **customer needs to counter effects of unstable and erratic power supply** conditions

## LINE INTERACTIVE SERIES



- Cold Boot
- Night Charging
- 3 LED Display
- Built in SMF Batteries
- Wide Range AVR Technology
- Fault Tolerance Switch
- Healthy Phase Selector
- Double Sided Black Oxidized PCB
- Reliable output in very low voltages



**TITAN** Long BackUp Range (600-2000 VA)

**LINE INTERACTIVE** (600/650 VA)

**ONEUP**SERIES (600 - 2000 VA)

### TECHNICAL SPECIFICATIONS\*

Model	CIL 612 EX	CIL 624 LI OneUp Plus	CIL 1024 LI OneUp Plus	CIL 1536 B	CIL 2036 B	CIL 600E 12/2	CIL 600E 12/5	CIL 1000E 24/2	CIL 1000E 24/5	CIL 2000E 36/2	CIL 2000E 36/8
Output Power	600 VA 360W	600 VA 360W	1000 VA 700 W	1500 VA 1050 W	2000 VA 1400 W	600 VA / 360 W		1000 VA / 700 W		2000 VA / 1400 W	
<b>AC MODE</b>											
Input Voltage	140~ 300 V	150-275 Volts				150-275 Volts					
Output Voltage (Mains Mode)	190 to 255 V	195-245 Volts				195-245 Volts					
Output Voltage (Inverter Mode)	210 to 230 V	195-245 Volts				195-245 Volts					
Shipping Weight	5 Kgs	10 Kgs	13 Kgs	22 Kgs	33 Kgs	6 Kgs	6 Kgs	12 Kgs	16 Kgs	24 Kgs	25 Kgs

\* Specifications may change without notice

## ONLINE SERIES

**3-3 DIGITAL UPS (10-100 KVA)**  
**3 Phase In 3 Phase Out**

**Intelligent, User friendly & Reliable**

COMPACT Online Series are true Double Conversion Online UPS built tough to withstand commercial environments and sensitive enough to handle the most delicate electronic and computer equipment. With features like wide input voltage range and advanced battery charging management the COMPACT Online Series UPS is the smart choice for applications where continuous power is a must.

- True on-line Double Conversion Design
- Multiple CPU Intelligent Control with 100% DIGITAL Technology
- Intelligent Battery Management
- Perfect Protection: Built in low/ over voltage, over current, overload and short circuit protection ensures low failure rate
- Touch Screen LCD (Liquid Crystal Display)
- Charging current- adjustable from TOUCH SCREEN
- Support 100% un -balanced load in the output
- Self diagnosis and historical data log
- IGBT inverter design
- Input Harmonic suppression filters (Optional)
- Parallel redundant system (Optional)



### TECHNICAL SPECIFICATIONS\* (For Online)

MODEL	3-3-20	3-3-30	3-3-40	3-3-50	3-3-60	3-3-80	3-3-100
RATING	20KVA	30KVA	40KVA	50KVA	60KVA	80KVA	100KVA
TECHNOLOGY	Micro Controller Based True On-line Double Conversion with Static Bypass and Output Galvanic Isolation						
<b>AC INPUT</b>		3 Phase 380/400/415 Volts AC + Neutral + Earth					
PHASE		380/400/415 Volts +/- 25%					
VOLTAGE		50 Hz +/- 5% (47.5 Hz to 52.5 Hz)					
FREQUENCY		0.92 Lag					
POWER FACTOR		360 Volts DC					
<b>DC SYSTEMS</b>		1 Amp to 30 Amps (Adjustable)					
SYSTEMS VOLTAGE		8 to 10 hrs					
CHARGING CURRENT		3 Phase Output AC + Neutral + Earth					
RECHARGE TO 100 %		380 / 400 / 415 Volts					
<b>AC OUTPUT</b>		380/400/415 Volts +/- 1% (for stable load), +/- 5% (for Fluctuating Load)					
PHASE		50 Hz +/- 5% (47.5 % to 52.5 %)					
VOLTAGE		50 Hz +/- 0.05%					
REGULATION		0.8					
FREQUENCY		Pure Sine Wave					
SYNCHRONIZATION (tracking)		< 3 % for (Linear Load) ; < 5 % for (Non Linear Load)					
BATTERY MODE		3 : 1					
POWER FACTOR		> 91%					
WAVEFORM		Transient Recovery Time < 10 m sec					
HARMONIC DISTORTION (THD)		Real Time Power measures including status on Input/ Output/ Battery/Rectifier/Inverter					
CREST FACTOR		Bypass input voltage above limits, Bypass input switch cut off, Low/ High voltage, Rectifier input switch off, Battery low /discharged/ overload, Output on pass,Temp. high					
EFFICIENCY (AC TO AC)		125 % for 10 minutes, 150 % for 1 minute					
TIME		Cutoff outputs of both inverter & bypass					
<b>LCD DISPLAY</b>		Internal thermal switch to protect from over temperature, then transfer to bypass loop					
<b>ALARM INDICATION</b>		<b>COMMUNICATIONS</b>					
OVERLOAD		STANDARD					
SHORT CIRCUIT		OPTIONAL					
THERMAL		PARALLEL PORT					
<b>MECHANICAL</b>		Communication With Other UPS in N + 1 Configuration					
W x H x D (mm)		650*700*1350	760*720*1450	760*850*1500	1100*860*1680		

\* Specifications may change without notice

## COMPACT ENTERPRISE SERIES (1-20 KVA)

Compact Enterprise adopts a microprocessor controlled high frequency PWM technology (with IGBT) and PFC (Power Factor Correction) ensuring lower switching losses and higher efficiency with lower running costs.



- RS-232 communication interface enables **direct on-screen monitoring of the status of power supply** and UPS, so as to simplify the network management work and improve the reliability of computer system. .
- Enterprise UPS systems are equipped with a **SNMP slot to allow remote communication** among various operation systems and remote monitoring of the UPS.
- **Power factor correction** improves the power efficiency **Real-time alarm** silencing function eliminates the unnecessary and annoying noises.
- Output **short circuit protection**.
- Input over voltage and input **frequency variation protection**.
- **Auto restart and cold boot** function.

Model	E1000/ E2000/ E3000	E6000	E10000/15/20 KVA
<b>OPERATION</b>	conversion system		
<b>OUTPUT POWER</b>	1000 VA/ 2000 VA/ 3000 VA	6000 VA	10/15/20 KVA
Input method	Single - phase		Single / 3 - IN - 1 out
Nominal Vo Range Range	16.0-275 V at 70% to 100% load		170-270 or 380/400/415+20%
	150-285 V at 150% to 70 % load		
	130-290 V at 0 to 50% load		
Frequency Range	Frequency (synchronized) range: 46-54 Hz		
Input Power Factor correction	0.95		
Output Power Factor	0.7pf or 0.8 pf settable		
W X H x D (mm)	220 x 145 x 405	330 x 195 x 455	550 X 260 X 630
	Depending on DC bus		