

LUMINOUS

INTELLIGENCE CAN TACKLE HEAVY WORKLOADS WITH EASE

Home and commercial establishments have higher power needs. Frequent power-cuts can hamper the overall performance of the appliances. Luminous Higher KVA UPS offers high quality and reliable power back-up solution for running office and sensitive equipments.

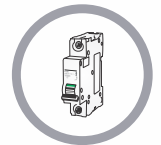


 iCruze

Rating: 4KVA | 48V, 5.5KVA | 72V,
6KVA | 96V, 7.5KVA | 120V &
10KVA | 180V.



PURE SINE
WAVE OUTPUT



MCB PROTECTION



BY PASS
SWITCH



LCD
DISPLAY



SYNCHRONIZED
CHANGEOVER

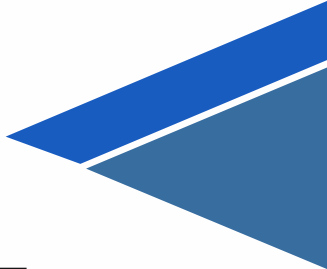
KEY FEATURES

- High over-load handling capacity
- Installation and maintenance friendly
- Advanced battery management which enhances battery life up to 70%
- Intelligent battery charging mechanism

Technical Specification

Model		4KVA	5.5KVA	6KVA	7.5KVA	10KVA
Input	Regulated UPS mode					
	Rated Voltage	230V AC				
	Undervoltage	180±5V				
	Undervoltage Restoration	190±5V				
	Overvoltage	260±5V				
	Overvoltage Restoration	250±5V				
	Unregulated ECO mode					
	Undervoltage	140±5V				
	Undervoltage Restoration	150±5V				
	Overvoltage	280±5V				
	Overvoltage Restoration	270±5V				
Output	Rated voltage (UPS Mode)	230V AC				
	Voltage (Mains Mode)	SAME AS INPUT				
	Frequency (UPS Mode)	50±1Hz				
	Frequency (Mains Mode)	SAME AS INPUT (47-53 Hz)				
	Load Performance Factor	0.6 to 0.8 [#]				
	Overload	> 110%				
	Transfer Time(typical a.s.)	< 10 ms.				
Battery	Capacity*	60Ah-220Ah TUBULAR / FLAT / SMF				
	Number of Battery	4	6	8	10	15
	Typical Recharge Time	8-10 hours approx				
	Battery Boost Volatge	55V-57V ± 2V	82V-84V ± 2V	114-117V (± 2V)	14.2V-14.6V (±0.2V)	
	Protection	LOW BATTERY				
TDR*	TDR Delay	4Min approx				
Physical	Net weight (Kg.)	36.0 Kg approx		48.0 Kg approx	71.6 Kg approx	77.0 Kg approx
	Gross weight (Kg.)	38.0 Kg approx		64.0 Kg approx	87.6 Kg approx	109.0 Kg approx
	Dimension (LxWxH)(mm)	300x471x452		300x487x452	300 x 471 x 560	
Front LCD Displays	Load Percentage	Displays "L085%"				
	Time to Charge & Discharge	Display time to charge or discharge in HH:MM				
	Overload	Displays "old"				
	Short Circuit	Displays "sct"				
	AC MCB Trip	Displays "AC:bt"				

[#]For resistive load (in candescent bulb rated at 250V AC) at optimum battery voltage.



Technical Specification

Front LCD Displays	DC MCB Trip	Displays "DC:bt"			
	No Load	Displays "nL:dl"			
	Overtemperature	Displays "otp"			
	Battery Low	Displays "Lbt" when batt. completely discharged			
	Battery High Cut	Displays "btHI" When Batt.Voltage > 63V	Displays "btHI" When Batt.Voltage > 94V	Displays "btHI" When Batt.Voltage > 123V	Displays "btHI" When Batt.Voltage > 230V
	Temp. Sensor Failed	Displays "tSFL" When internal failure			
	Battery Level Symbol	Displays battery level available			
	Charging Symbol	Displays when battery is charging			
	Mains Symbol	Displays spark symbol			
	Mode Selection	Displays ECO or UPS Mode			
	Fault Symbol	Displays if there any fault or trip condition			
Alarms	UPS ON/OFF	5 Beeps of 1Sec. each			
	Low Battery	1 Beep of 10Sec.			
	Battery High Cut	1 Beep of 10Sec.			
	NO Load shutdown	1 Beep of 10Sec.			
	Short Circuit	1 Beep of 10Sec.			
	Overload shutdown	1 Beep of 10Sec.			
	Low Battery Warning	10 Beeps of 1Sec. each			
	Mains MCB Trip	1 Beep of 10Sec.			
	Over Temperature	1 Beep of 10Sec.			
	Battery MCB Trip	1 Beep of 10Sec.			
	Temp. Sensor Failed	1 Beep of 10Sec.			
Environmental	Operating Temperature	0-45°C (32-113°F)			
	Storage Temperature	0-45°C (32-113°F)			
	Humidity	0-95% RH non-condensing			

Due to continuous product improvement, the specifications are subject to change without notice.

*AC (Air Conditioner) Operating Mode :

Unit works fine in Eco/UPS Mode for Inverter AC with stabilizer.

For Normal AC, unit to be used in UPS Mode only.

* TDR ON Time ~4Min. and it can add additional 4Min delay in AC startup during power failure.

* Recommended AC rating upto: 1.5 Ton, 3Star rated.

• Recommended AC rating upto: 1 Ton.

• Recommended AC current upto: 9Aac.