

Luminous 3 Phase UPS Your *Lifeline* for Uninterrupted Power Supply



Luminous 3 Phase UPS

30 - 40kVA - part of the Luminous UPS 3 - Phase Range - is a highly efficient, monolithic, compact UPS with rack & tower convertible that delivers high performance for Small & Medium Offices, Small Servers & Network Rooms, Shopping Malls, Educational Institutes, Healthcare Centers, Hotels & Casinos, Small & Medium Industries, Transportation (Highway / Airports / Metro & Railways) etc.

It is packed with high-value features, including:

- Unity Output PF (kVA = kW) at 40°C
- Double Conversion Efficiency > 95.5%
- Rack and Tower Convertible
- Wide Input Voltage Range (305-477V with 100% load)
- Wide Battery selection range (32 to 40 Nos of 12V VRLA)
- Strong Charger to supply 16% Charging Power
- User Replaceable Dust Filter to operate in Harsh Environment
- Small Footprint of 0.34 SqMtr (Tower) or 3U (Rack)
- Lighter Weight of 33 Kg for Easy Handling
- Adjustable Display Orientation for Rack or Tower Configuration
- Parallel capability for 4 UPS for Redundancy or Capacity
- Access to vital critical power information through optional NMC card
- Compatible with VRLA & Lithium Ion Battery for providing Upto 90 Mins of Backup.

CAPACITY		30KVA/30KW	40KVA/40KW
INPUT			
Input Voltage (V)		380/400/415 VAC (Three Phase + Neutral)	
Voltage Range	at 50% Load	200VAC to 500VAC (L-L)	
	at 100% Load	305VAC to 477VAC (L-L)	
Frequency Range (Hz)		46Hz ~ 54 Hz @ 50Hz system	
		56Hz ~ 64 Hz @ 60Hz system	
Phase		Three Phase with Neutral	
Input THDi		< 4% at 100% Load	
Power Factor		≥ 0.99 at 100% Load	
Dual mains input		Yes (default: single mains input)	
OUTPUT			
Output voltage (V)		380/400/415 VAC (Three Phase + Neutral)	
AC Voltage Regulation		± 1%	
Frequency Range		46Hz ~ 54 Hz @ 50Hz system	
Synchronized Range		56Hz ~ 64 Hz @ 60Hz system	
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz	
Overload	AC mode	100%~110%: 60min; 110%~125%: 10min; 125%~150%:1min;>150% : immediately	
	Battery mode	100%~110%: 60min; 110%~125%: 10min; 125%~150%:1min;>150% : immediately	
Current Crest Ratio		3:1 max	
Harmonic Distortion		≤2 % @ 100% Linear Load; ≤5 % @ 100% Non-linear Load	
Transfer Time	Line to Battery	0 ms	
	Inverter to Bypass in Online Mode	0 ms	
	Bypass to Inverter in ECO Mode	<10 ms	
EFFICIENCY			
Double Conversion mode		> 95.5%	
Battery Mode		> 95%	
ECO Mode		> 99%	
BATTERY			
Type		SMF VRLA	
Numbers		32 - 40 of 12V Blocks	
Charging Current		1.0~12.0A ±10% (Adjustable)	
Charging Voltage		13.65VDC± 1%	
PHYSICAL			
Outline	Dimension(Rack), D X W X H in mm	778 x 438 x 130	
	Dimension(Tower), D X W X H in mm	778 x 130 x 438	
	Net Weight (kg)	31	33
Packaging	Dimension, D X W X H	870 x 580 x 250	
	Gross Weight (kg)	34.5	36
ENVIRONMENT			
Operation Temperature		0 ~ 40°C (the battery life will down when > 25°C)	
Operation Humidity		<95 % and non-condensing	
Operation Altitude		<1000m	
Acoustic Noise Level		Less than 65dB @ 1 Meter	Less than 70dB @ 1 Meter
Protection Class		IP20	
NETWORK MANAGEMENT			
Smart RS-232 or USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix, and MAC	
Optional SNMP		Power management from SNMP manager and web browser	
REGULATORY			
Safety		EN/IEC 62040-1	
EMC/EMI/RFI		EN/IEC 62040-2	
COMPLIANCE		RoHS, REACH	