

UPS Challenger Series

Power Every Hour



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FEATURES

UPS Challenger Series is best Suitable for UPS systems with excellent discharge characteristics.

Safe

Strong durable Polypropylene containers with special vent plugs fitted with microporous ceramic domes /electrolyte level indicator to arrest acidic fumes, making it particularly suitable for corporate offices where an isolated place for the battery may not be available.

Optimum Life

Well balanced positive and negative plates alongwith tough polyethylene based envelope separators form the core of this extremely rugged & reliable battery.

Low Maintenance

Low antimony alloy in the plate grids alongwith more electrolyte volume assures lower maintenance needs.

Frequent Deep Discharge

The UPS range has been designed for deep discharge cycles during frequent powercuts while retaining the excellent original feature of high rate discharge.

Compact / Less floor space

Compact, attractive and environment friendly - fit to adorn any space in your home or office.

UPS CHALLENGER SERIES OF FLAT PLATE MONOBLOC BATTERIES

Specification Chart														
Type	Capacity in Ah at 27°C when discharged for		Charging Current for initial charging (Amps)		Minimum Ah input during initial charge	Approx. Battery+ Weight		Approx.+ acid qty (1.220 Sp. Gr./Cell) Litres	Overall Dimensions			Constant Potential Limiting Current (A)	Trickle Charge Current (mA)	
	20 Hr.	Nominal Monobloc Unit Voltage (V)	Starting 2.35 V/cell	Finishing 2.75 V/cell		Without acid (Kg) +/-2%	Filled with acid (Kg) +/-2%		L mm+/-3	W mm+/-3	H mm+/-3		Min	Max
UPS 50	48	12	5.6	2.8	140	10.7 kg	17.0 kg	5.1	260	173	240	10	40	160
UPS 70	70	12	8.4	4.2	210	15.4 kg	26.5 kg	9.0	410	176	281	15	60	240
UPS 100	96	12	11.0	5.5	280	19.3 kg	30.5 kg	9.2	410	176	281	20	80	320

- For constant potential charging higher rates are permissible for maximum charger setting of 2.40 volts per cell.
- Trickle charge voltage should be adjusted between 2.15 - 2.20 volts per cell.

Initial Charging Instructions

- Fill up to the required level with battery grade dilute sulphuric acid
- Filling specific gravity : 1.220 ± 0.005 at 27°C
- Rest period : 12 hours
- Charge at starting and finishing current with minimum Ah input given in specification chart
- All parameters for 12 Volts Nominal Monobloc Units.

Statutory Notice :

All batteries contain lead, which is harmful for humans and environment. As per statutory requirements, the used battery must be returned to the authorized dealer, manufacturer or at the designated collection centres.