



**Sales and  
Service  
India**

# PULSE Ultra PLUS

With SMPS Charger  
Sealed Maintenance - Free  
Generator Starting System



\*For BSNL / MTNL lines

# PULSE Ultra PLUS With SMPS Charger



Cummins India Ltd. Registered office : Kothrud, Pune – 411 038 Henceforth, referred as Cummins

## Introduction

Cummins PULSE Ultra PLUS With SMPS Charger is Sealed Maintenance Free Generator starting System (GSS). It is a packaged power supply for generator starting comprising of one or more Pure Lead-Tin Valve Regulated Lead Acid (VRLA) Monobloc batteries and a Switch mode Power Supply (SMPS) to charge the battery.

**The Pure Lead-Tin (VRLA) battery** has an unmatched peak power performance due to its thin plate design and ensures reliable starting even under the most adverse operating conditions. Pure Lead-Tin batteries are the most preferred choice for critical applications requiring high performance, reliability and long life. The SMPS is a sophisticated battery charger with in-built protections for ensuring optimum charging of the batteries and also for providing power to the generator control and monitoring circuitry, indication lamps, etc.

**PULSE Ultra PLUS charging requirement** - Constant potential with no current limit. Charged only by built in SMPS charger. Not compatible with alternator charging.

**No of designed cranks per charge at 27°C**  
6-8 cranks at 100% state of charge

## PULSE Ultra PLUS Selection Guidelines

Battery Rating	Generator KVA rating	Replaces Batteries of type	
		Ampere Hours (Ah)	Plates
■ 12V 20 Ah	15, 20, 25	12V 88Ah	21
■ 12V 32 Ah	30, 40, 50, 62.5, 82.5, 100, 125	12V 150Ah	25
■ 24V 20 Ah	50, 62.5, 70, 100, 110, 125, 140	2X 12V 88Ah	21
■ 24V 32 Ah	160 to 500	2X 12V 150Ah / 180Ah	25
■ 24V 80 Ah	600 to 800	2X 12V 180Ah	25
■ 24V 100 Ah	1000 to 1500	4X 12V 180Ah / 200Ah	25

\*(The offered product is equivalent in terms of CCA rating only, when compared to flooded battery)

Part No	Battery Rating at C20 at 25°C	Charger Rating Amps	Dimensions LxWxH mm	Weight (Kgs)
AX1013232	12V 20Ah	12V 5A	330x175x182	11.0
AX1013233	12V 32Ah	12V 5A	330x175x235	16.5
AX1013234	24V 20Ah	24V 5A	405x240x182	26.0
AX1013235	24V 32Ah	24V 5A	405x240x235	36.0
AX1013236	24V 80Ah	24V 10A	600x450x315	78.0
AX1013237	24V 120Ah	24V 10A	600x450x320	92.0

PULSE Ultra PLUS conforms to International standard IEC 60095-1:2000

\*Conditions apply

Dealer's Name & Address



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## Features & Benefits

### Maintenance Free

- No Battery topping up or specific gravity checks
- No spillage of battery acid
- No adjustment of charger

### Ready to use

- Compact & light weight for easy handling
- Pre-assembled battery & charger
- Filled & factory charged battery

### Shelf life

- Provides extended storage capability while maintaining high state of charge for dependable operation

### Reliability

- High battery power capability for guaranteed starting
- Consistent performance throughout battery life and absence of sudden death
- Charger ensures that battery is always kept fully charged

### Warranty

- 24\* months unmatched warranty