

General Selection guideline

Generator Kva rating	Battery Model	Battery rating	No of Batteries required per Genset	Replaces batteries of type	
				Rating	No of batteries
15 to 25	PLT 65-12A	12V 65 Ah	1	12V 88 Ah	1
30 to 140	PLT 65-12A	12V 65 Ah	1	12V 150 Ah	1
160 to 380	PLT 65-12A	12V 65 Ah	2	12V 180 Ah	2
500, 600 & 625	PLT 100-12A	12V 100 Ah	2	12V 180 Ah	2
750 to 1500	PLT 160-12A	12V 160 Ah	2	12V 180 Ah	4

Above Selection is made without considering the auxiliary loads like AMF panel, electronic controls etc..

Ratings for Pulse Ultra Lite Battery

Sr No.	Generator kVA Rating	Battery Part No.	No. of Batteries	CCA @-18 C / Battery	Other Equivalent Battery Rating
1	Up to 25 kVA	AX1012900	1	420 Amps	12V/100Ah
2	30 to 140 kVA	AX1012843	1	650 Amps	12V/150Ah
3	160 to 400 kVA	AX1012843	2	650 Amps	2 x 12V/150Ah
4	500 to 700 kVA	AX1014019	2	850 Amps	2 x 12V/180Ah
5	750 to 1500 kVA	AX1012845	2	1650 Amps	4 x 12V/180Ah
6	1800 to 2250 kVA	AX1012844	4	1100 Amps	8 x 12V/180Ah
7	2750 to 3750 kVA	AX1012845	4	1650 Amps	8 x 12V/200Ah

Ratings for Pulse Ultra Plus Battery

Sr No.	Generator kVA Rating	Battery Part No.	Other Equivalent Battery Rating
1	Up to 25 kVA	AX1013232	12V/100Ah
2	30 to 125 kVA	AX1013233	12V/150Ah
3	125 to 140 kVA	AX1013234	2 x 12V/100Ah
4	160 to 500 kVA	AX1013235	2 x 12V/150Ah/180Ah
5	600 to 800 kVA	AX1013236	2 x 12V/180Ah
6	1000 to 1500 kVA	AX1013237	4 x 12V/180Ah/200Ah

Ratings for Pulse Value Plus Battery

Sr No.	Genset kVA Rating	Battery Part No.	No. of Batteries	CCA @-18 C / Battery	Other Equivalent Battery Rating
1	30 to 140kVA	AX1014429	1	800 Amps	12V/100AH /110Ah
2	160 to 400KVA	AX1014429	2	800 Amps	2 x 12V/100AH/110Ah

Pulse Lite – Features & Benefits

<p>1. Maintenance free VRLA design</p> <ul style="list-style-type: none"> - No battery topping up or specific gravity checks, No spillage of electrolyte, No corrosion or sulphation of battery terminals.
<p>2. Ready to use</p> <ul style="list-style-type: none"> - Compact & lightweight for easy handling, factory charged.
<p>3. Reliable performance</p> <ul style="list-style-type: none"> - High power capability for guaranteed starting, faster recharging and Consistent performance throughout battery life.
<p>4. PLT Thin Plate Technology</p> <ul style="list-style-type: none"> - Up to 300% more CCA for given AH capacity.
<p>5. Shelf Life</p> <ul style="list-style-type: none"> - Low self discharge provides extended storage capability while maintaining high state of charge for dependable operation.

Customer Requirement	Flooded Battery	Cummins Pulse <i>lite</i> Battery
Reliability of Starting	Satisfactory	Excellent
No Electrolyte adjustment	Adjustment required frequently	Maintenance-free
Readiness for use	Needs electrolyte filling and charging at site	Ready to use (filled & charged)
Ease of installation	Needs careful handling, possibility of acid spillage	Easy to install with no risk of acid spillage and very lightweight.
Ease of Maintenance	Difficult (acid top-up, sp. Gr adjustment)	No special maintenance
Low temperature performance	Generally not recommended below -10°C	Can work satisfactorily up to -40°C