



## Modern Battery Charger for Advanced D.G. Set

The chargers have proven themselves under rugged conditions and are installed over most humid/heated/dry condition.

### Technology :

Solid state controlling is used to control the charging current. MMax Chargers are capable of charging the completely discharged batteries.



### Technical Specification :

Input Voltage : 230VAC 20% Out put Voltage regulation :  
Better than 2% Ripple Current : Less than 5% (With battery connected)  
HV Test : 2.5 KV/1 Min  
Cabinet : Rugged metallic powder coated body standard color siemens grey  
Mounting : Wall/Projection mounted  
MMax Power also supplies customized battery chargers and  
DC Distribution Board.



# C&B POWERGEN PVT. LTD.

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**Battery Charger Cvcc (Primary Controlled) :**

Input Voltage : 220V AC 1 Ph +/- 20%  
 Output DC : 12V, 24V, 48V, 110V etc. +/-1%  
 Output Current : 8A, 10A, 16A, 20A, 25A, 30A  
 Protections : Over Charge, Rev. Battery, H/V Trip\*  
 Indications : Charging, Charged (Boost/Float)



**Battery Charger FCBC (Secondary Controlled) :**

Input Voltage : 220V AC 1 Ph +/- 20% & 415V AC 2 Ph./3 Ph. +/-10%  
 Output DC : 12V, 24V, 48V, 110V, 220V etc. +/-1%  
 Output Current : 10A, 16A, 20A, 25A, 30A, 40A, 50A ..... 150A  
 Protections : Over Charge, Rev. Battery  
 Indications : Mains On-Fail, Charger On-Fail, Auto/Manual/Boost/Float,  
 High Voltage Charger Trip, Charger Trip, Low Voltage Load Trip\* etc.  
 Audio Alarms : For Faults\*



**Battery Charger (SMPS) :**

Input Voltage : 220V AC 1 Ph +/- 20% (Wide range 90-280V)\*  
 Output DC : 12V, 24V etc. +/-1%  
 Output Current : 8A, 10A, 16A  
 Protections : Over Charge, Rev. Battery H/V Trip\*  
 Indications : Mains On, Boost/Float, Rev. Battery



**Microprocessor Based Controllers :**

AMF Relay : For Auto synchronizing, Auto Load sharing &  
 Auto Load management



**DC Power Pack (For use in Control Circuit and VCB Triping) :**

Input Voltage : 220V AC, 110V AC, 1 Ph +/- 20%  
 Output DC : 12V, 24V, 48V, 110V etc. +/-1%  
 Output Current : 3A, 5A, 8A and as per requirement  
 Battery : SMF 7AH/18AH/22AH or as required  
 Indications : Mains ON, Charger On-Fail, DC On



**DC-DC Converters SMPS Based :**

24V DC — 12VDC  
 48V DC — 24VDC and customized designs  
 Rackmounted Power supplies



**Hooter (Electronic) :**

Input Voltage : 12V DC and 24V DC (Single Unit)  
 110V AC and 220V AC (Single Unit)  
 Out-Put 90DB