

TECHNICAL SPECIFICATIONS

Manufacturer Model	DG2XL500
Genset Rating	160 to 500KVA
Manufacturers Battery Designation	X Cell POWER PACK (Genset Starting Unit)
Type of Charger	Constant Voltage (SMPS)
AC Input Voltage (Nominal)	230V AC
AC Input Voltage variation	150V-265V AC
Out Put DC Voltage (Nominal)	24V
Out Put DC Voltage	27.2V DC
Output current	5 Amps
Ripple (Peak to Peak)	<50 mV
Protections	<ul style="list-style-type: none"> a. AC under & Over Voltage b. Output Short Circuit c. Overload protection d. Output over voltage e. High Temperature
Type of Battery	PURE LEAD TIN Maintenance Free Valve Regulated (MF-VRLA) Battery.
Battery Rating	12V - 32Ah @ 20hr rate, 25°C
No. of Batteries	2 Nos (2 X 12V - 32Ah)
Type of '+'ve & '-'ve Plates	Flat pasted
Thickness of '+'ve & '-'ve Plates	<1mm
Terminals	Brass Terminal conforming to SAE
CCA at -18°C(amps) for 30 Sec	550 Amps (approx)
HCA at 27°C (amps) for 30 Sec	750 Amps (approx)
Type of separator	Absorptive Glass Mat (AGM)
Ah efficiency	Above 90%
Wh efficiency	Above 80%
Self Discharge / Month	<2% of rated capacity at 25°C
Shelf / Storage Life (before next charging)	6 months from the date of mfg. at 25°C (covered area)
Normal Operating Temperature	20°C to 30°C
Operating Temperature Limits	-40°C to +50°C
Cycle Life of Battery @ 27°C	1200 cycles at 20% DOD
Output terminal connectors	High conductivity copper terminals with LEAD TIN Coating
Charge regime	Constant potential mode with no current limit
Dimensions of Power Pack	(430L x 255W x 235H) mm approx.
Weight of Power Pack	31 Kgs Approx.

Figure 1:

