

## TECHNICAL SPECIFICATIONS

<b>Manufacturer Model</b>	<b>DG2XL140</b>
<b>Genset Rating</b>	<b>50, 62.5, 70, 100, 110, 125 &amp;140 KVA</b>
Manufacturers Battery Designation	<b>X Cell POWER PACK (Genset Starting Unit)</b>
<b>Type Of Charger</b>	<b>Constant Voltage (SMPS)</b>
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"> <li>a. AC under &amp; Over Voltage</li> <li>b. Output Short Circuit</li> <li>c. Overload protection</li> <li>d. Output over voltage</li> <li>e. High Temperature</li> </ul>
<b>Type of Battery</b>	<b>PURE LEAD TIN</b> Maintenance Free Valve Regulated (MF-VRLA) Battery.
Battery Rating	<b>12V - 20Ah @ 20hr rate, 25°C</b>
No. of Batteries	2 Nos (2 X 12V - 20Ah)
Type of '+'ve & '-'ve Plates	Flat pasted
Thickness of '+'ve & '-'ve Plates	<1mm
Terminals	Brass Terminal conforming to SAE
CCA at -18°C(amperes) for 30 Sec	400 Amps (approx)
HCA at 27°C (amperes) for 30 Sec	550 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
<b>Dimensions of Power Pack</b>	<b>(430L x 255W x 182H) mm approx.</b>
<b>Weight of Power Pack</b>	<b>23 Kgs Approx.</b>

**Figure 1:**

