# Customer Questionnaire for PV Hybrid Solutions

|  |
| --- |
| GENERAL INFORMATION |
| Customer Name: |  | Contact Number: |  | Contact Email |  |
| Site Name: | GPS Coordinate: |  |

|  |
| --- |
| LOAD DETAILS |
| Single Phase Voltage (V) |  | 3 phase voltage (V) |  |
| Frequency (Hz) |  | Spare breaker size within Main DB (Amps) & Quantity |  |
| Please provide: | Sketch of Main ACDB components | Sketch of Main ACDB Location |

|  |
| --- |
| SUPPORTING DOCUMENTS |

• Main Electrical Single Line Diagram • Site Layout • Generator Datasheets • Specific Load Profile• Photographs

|  |
| --- |
| LOAD PROFILE |

Average Daily Load Profile (kW or kVA)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 12am-1am |  | 6am-7am |  | 12pm-1pm |  | 6pm-7pm |  |
| 1am-2am |  | 7am-8am |  | 1pm-2pm |  | 7pm-8pm |  |
| 2am-3am |  | 8am-9am |  | 2pm-3pm |  | 8pm-9pm |  |
| 3am-4am |  | 9am-10am |  | 3pm-4pm |  | 9pm-10pm |  |
| 4am-5am |  | 10am-11am |  | 4pm-5pm |  | 10pm-11pm |  |
| 5am-6am |  | 11am-12pm |  | 5pm-6pm |  | 11pm-12am |  |

|  |  |
| --- | --- |
| Weekly Variation: |  |
|  |  Describe Any Weekly Variations in Load Profile (e.g. weekend operation details) |
| Seasonal Variation: |  |
|  |  Describe Any Seasonal Variations in Load Profile (e.g. tourist high and low season details) |

|  |
| --- |
| INSTALLATION AREA |

|  |  |  |  |
| --- | --- | --- | --- |
| Installation Location  | Land / Roof | Available non shaded area *(please provide total area sketch)* |  |
| Soil detail*(concrete, hard, sandy, etc)* |  | Roof profile *(provide picture)* |  |

|  |
| --- |
| GENERATOR DETAILS |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Current Annual Usage of Diesel (ltrs): |  | Price of Diesel on Site: (USD/litr) |  | If grid is available, what is the price of Energy (USD/kWh) |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Diesel Generator Information | Genset 1 | Genset 2 | Genset 3 | Genset 4 | Genset 5 |
| Power Rating (kVA) |  |  |  |  |  |
| Genset Controller Model |  |  |  |  |  |
| Fuel Consumption @ 100% (ltrs/hr) |  |  |  |  |  |
| Spinning Reserve Level (%) (SRL) |  |  |  |  |  |
| Fuel Consumption @ SRL (ltrs/hr) |  |  |  |  |  |
| Generator Control (Manual/Auto) |  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Grid Connection Power Rating (kVA): |  |  Grid Outage Frequency: |  |

 *Ignore if Grid Unavailable e.g. Once a week for 4 hours*