

## Maintenance Requirements of the Smart Solar Off-Grid System

Location: La Gracia Village, Cayo District, Belize

Description	Frequency
<b>Preventative Maintenance</b>	
<b>Battery Bank</b>	
➤ Check & clean all connections	Every 4-6 weeks
➤ Check and measure voltage	Every 4-6 weeks
<b>Inverters / Charge Controllers</b>	
➤ Check and clean all connections	Every 4-6 weeks
➤ Check and clean cooling systems and fans	Every 4-6 weeks
➤ Check and adjust settings if necessary	Every 4-6 weeks
<b>Solar Panels</b>	
➤ Check solar panels and connections	Every 4-6 weeks
<b>Generator</b>	
➤ Check running hours and fuel & oil levels	Every 4-6 weeks
➤ Oil refill	When needed
<b>Power Towers</b>	
➤ Check and clean energy dispensers	Every 4-6 weeks
➤ Check and clean breaker panels	Every 4-6 weeks
<b>Corrective Maintenance</b>	
➤ Generator service	Based on running hours
➤ Big yearly service on entire system	Annually
➤ Entire system clean (including Power Towers)	Bi-annually