

APPENDIX F – MAINTENANCE SCHEDULE

Recommended Frequency:

Building Type	Customer	Intermediate	Full
Domestic (Privately Owned)	1 year	10 years	15 years
Domestic (Rented - Private or Social)	-	5 years	10 years
Public Buildings (e.g., Schools, Hospitals)	6-monthly	1 year	5 years
Commercial & Industrial	Monthly	1 year	2 years

Task	Customer	Intermediate	Full
Visual check of modules (damage, soiling)	✓	✓	✓
Visual check of inverter (fault/damage)	✓	✓	✓
Recorded generation increasing	✓	✓	✓
Check for structural distress (snow, etc.)	✓	✓	✓
Reduce shading from vegetation	✓	✓	✓
AC/DC isolators – damage & ingress		✓	✓
DC junction boxes – damage & ingress		✓	✓
Integrity of fuses/surge protectors		✓	✓
Generation in line with prediction	✓	✓	✓
Inverter(s) mounted securely		✓	✓
Inverter(s) ventilated (fans OK)		✓	✓
Externally mounted inverters (no ingress)		✓	✓
Inverter fault logs reviewed		✓	✓
AC voltage & risk of over-voltage		✓	✓
DC connectors – secure, dry		✓	✓
Clean modules (shallow pitch/dusty)	✓		✓
Test DC circuits (Voc, Isc, Earth leakage)			✓
Cables supported, undamaged		✓	✓
Labels/signage correct (schematic)		✓	✓
Emergency shutdown visible	✓	✓	
Module clamps secure			✓
Mounting rails secure, no distortion			✓
String resistance tests			✓
Insulation resistance test (Riso)			✓
Potential Induced Degradation test			✓
Thermographic survey for faults			✓

Note: Checks and frequencies are advisory. Larger or more complex systems may justify more frequent inspections.