MICRO CARE

Inverter Installation Check List

Inverter Details	Model Inverter? (kW/V)	
	Inverter Serial Number?	
	Online Monitoring Installed? (Yes/No)	
Inverter Set Up	Does the Inverter have sufficient ventilation? (Yes/No)	
	How is the Inverter Earthed? (DB Board/Earth Spike)	
	Size of AC Wiring? (mm²)	
	Size of DC Wiring - PV? (mm²)	
	Was Pre-Charge button used for Inverter start up? (Yes/No)	
	Was a COC done? (Yes/No)	
Battery Details	Battery Bank Size & Voltage? (Ah/V) or (kWh/V)	
	Battery Type? (Make & Model)	
	Which Li-Ion plug connected? (Blank / Wired)	
	Size of DC Wiring - Battery? (mm²)	
Battery Setup Settings	Battery type selected? (Lead Acid / Li-Ion 1 / Li-Ion 2)	
	Battery Charge Rate? (%)	
	AC Input Power? (Level 1-6)	
	Battery Boost Voltage? (V)	
	Battery Float Voltage? (V)	
	Battery Boost time? (hr)	
	Battery Low Voltage Shut Down? (V)	
	Force Charge? (Float/Boost)	
Set Up Menu Settings	Operation Mode? (Normal / Solar Control)	
	If using Solar Control: Battery Run to Voltage? (V)	
	If using Solar Control: AC Run to Voltage? (V)	
	Transfer Switch Time? (ms)	
	Load Monitoring?	
	Inverter Output Power? (Normal / 200%)	
	Load Transfer Time? (30s / 5 min)	

Name of Installer	
Address of Installation	
Date of Hand Over	
Installers Contact Number	
Installers Signature	

Comment

Note: Please send completed document to support@microcare.co.za & attach any installation photographs

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MPPT Installation Check List

MPPT Details	Model Number? (A/V & LED or LCD)	
	MPPT Serial Number?	
	Does the MPPT have sufficient ventilation? (Yes/No)	
Panels Details	Size of Panels? (Wp)	
	How many panels in series?	
	How many parallel strings?	
	PV Array Open Circuit Voltage? (Voc)	
	Panel Surge Protection? (Yes/No)	
	Max Length & Size of PV cable: Panel to CB? (m/mm)	
	Max Length & Size of PV cable: CB to MPPT? (m/mm²)	
Battery Details	What is the Battery Bank Size & Voltage? (Ah or kWh/V)	
	Battery Type? (Make & Model No.)	
	Which Li-Ion plug connected? (Blank / Wired)	
	Size of Battery Cables? (mm²)	
MPPT Settings	Float Voltage? (V)	
	Boost Voltage? (V)	
	Boost to Float Time?	
	Boost to Float Amps? (A)	
	Equalise Charge Mode? (Auto / Manual)	
	Battery Pack Select? (12/24/36/48V/Auto)	
	Charge Limit? (%)	

Name of Installer	
Address of Installation	
Date of Hand Over	
Installers Contact Number	
Installers Signature	

Comment

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Solar Pump Controller Installation Check List

Pump Controller	Model Number? (kW)	
	Serial Number?	
Panels Details	What Size Panels installed? (Wp)	
	How many panels in series?	
	How many parallel strings?	
	PV Array Open Circuit Voltage? (Voc)	
	Panel Surge Protection? (Yes/No)	
	Length & Size of PV cable? (m/mm²)	
Voltage Booster	Are Solar Voltage Boosters installed? (Yes/No)	
	Size of Boosters? (350V/550V)	
DC Disconnect	Is DC Disconnect Switch connected? (Yes/No)	
	Rating of Switch? (V)	
Motor/Pump Details	Type Of Pump/Motor?	
	Size of Motor/Pump? (kW)	
	Single or Three-Phase?	
	Voltage? (V)	
	Make & Model?	
Set Up Menu	Motor Voltage? (V)	
	Max Frequency? (Hz)	
	Min Frequency? (Hz)	
	VMP? (V)	
	Power Point? (%)	
	Power Limit? (W)	
	Dry Run Power? (W)	
	Dry Run Frequency? (Hz)	
	Frequency Low Hold Off? (sec)	
	Phase Loss Hold Off	
	Frequency Low Start Time? (min)	
	Dry Run Restart? (sec)	

Name of Installer	
Address of Installation	
Date of Hand Over	
Installers Contact Number	
Installers Signature	

Comments

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