Home Energy Production Control Function Set 581455 (9069-40)



LabVolt Series

Datasheet



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Table of Contents

General Description	3
Specifications	3

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General Description

The Home Energy Production Control Function Set enables the following devices required for home energy production to be implemented using the Data Acquisition and Control Interface, the IGBT Chopper/Inverter, and the Insulated DC-to-DC Converter:

- Single-Phase Stand-Alone Inverter
- Single-Phase Grid-Tied Inverter
- Solar Power Inverter (LF Transformer)
- Solar/Wind Power Inverter (HF Transformer)

Specifications

Parameter	Value
Control Functions	
Control Functions	Single-Phase Stand-Alone Inverter
	Single-Phase Grid-Tied Inverter
	Single-Phase Grid-Tied Inverter (LF Transformer)
	Solar/Wind Power Inverter (HF Transformer)
Single-Phase Stand-Alone Inverter Function	
Output Power Limit	50-250 W
Battery Minimum Voltage	35-55 V
PWM Inverter Peak Output Voltage	50-95% of dc bus voltage
PWM Inverter Output Frequency	50 or 60 Hz
DC Bus Voltage Command	100-400 V
Single-Phase Grid-Tied Inverter Function	
Active Current Command	-2 to 2 A
Reactive Current Command	-2 to 2 A
DC Bus Voltage Command	100-400 V
Solar Power Inverter (LF Transformer)	
MPP Tracker	On or off
Active Current Command	-10 A to 10 A (only available when the MPP Tracker parameter is switched to Off)
Reactive Current Command	-10 A to 10 A
Solar/Wind Power Inverter (HF Transformer)	
MPP Tracker Type	Solar panel or wind turbine

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