



Standard

Basic Parameters

Integrated Control	Device Integration ¹	Number of Supported Devices	4
		Polling Data Units (PDU)	300
		Power Input [V AC]	230
	Power Output	12V DC	Max: 2A (24W)
		24V DC	Max: 1A (24W)
		Operating Current	250mA @230V AC
		Battery Capacity (Usable)[Wh]	72
	Edge Gateway	Integrated Control	Intel N100 4-core CPU
		Memory (RAM)	4GB
		Local Storage (SSD)	128GB
Cooling		Fanless Design	
PLC	N/A		

Communication

Serial Interface	Modbus RTU	Baud Rate [bps]	9600	
		Data bits	8	
		Stop bits	1	
		Parity	None	
	Modbus TCP	Communications Interface	Ethernet WAN	
		System Connectivity	DHCP	
Embedded Communications	Ethernet	Managed Network IP Range	192.168.35.XXX	
		Subnet Mask	255.255.255.0	
		WAN Input	1	
	Device Cross Compatability	Ethernet	5-Port 100Mbps Industrial Ethernet Switch	
		GSM (Support Only)	GPRS, LTE	
		Application	Hybrid inverters PV grid tie inverters Generator controllers	Power meters, power analyzers Temperature sensors Fire suppression systems
	Reporting & Analytics	Monitoring Portal	Via Freedom Won Cloud Monitoring Dashboard	
		Cloud Connectivity	Via Polar Monitoring Glacier Edge Gateway 100Mbps ethernet connection to uplink internet (to be supplied by client)	

I/O

Serial Ports	RS-485	4 (isolated)
	Modbus TCP	3
	Digital Inputs	3 x Digital inputs
	Digital Outputs	3 x Relay outputs
	Temperature Probe	N/A
	12V Output	1
	24V Output	N/A
	Panel Dimensions - H x W x D [mm]	650x400x200

Physical

Enclosure	Material	Powder Coated Steel
	Weight [kg]	20.1
	Ingress Protection	IP65
	Mounting	Wall mount
	Operating Temperature [°C]	0°C to +40°C
	Storage Temperature [°C]	0°C to +40°C
	Operating Humidity	85% relative humidity
	Antenna Interface	SMA Female
	Power Supply System ²	12V 60W
	Backup Power ²	1 x 98Wh lithium battery (12V)
Warranty	1 Year Warranty	

Notes to Specification Sheet

1. Device integration over RS-485 / Ethernet (Modbus TCP) Network Switch (supporting internal and external connections).
2. 230VAC 1-PH Power Input (6A)(via screw terminals) Incoming AC Power Isolation Breaker Backup Power via Integrated Lithium Battery.

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