Louise-Piëch-Straße 2
A-5020 Salzburg

MOON POWER GmbH

Design and Planning Aid

Energy Management Data Entry Sheet

Billing address

Company: _____

Street / Number: _____

ZIP Code / City: _____

Shipping Address

Company: _____

Street / Number: _____

ZIP Code / City: _____

Contact person: _____

Telephone number: _____/_____

E-Mail address: _____

Project Details

MOON Project Supervisor: _____

Description:

_____

_____

_____

_____

_____

_____

_____

_____

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Grid Connection

Distribution System Operator: _____

Metering point number: _____

Utility/energy supply company: _____

Contract number: _____

Grid level:
- ☐ low voltage (VDE AR-N 4105 / TOR Type A)
- ☐ medium voltage (VDE AR-N 4110 / TOR Type B)

Current annual peak power _____kVA

Contractual peak power _____kVA

Technical peak power _____kVA

Annual energy demand _____kWh

15min year load profile
- ☐ is available as CSV/XLSX
- ☐ Is requested from the utility
- ☐ Is not available

Network Configuration

LAN component connection via:
- ☐ Infrastructure existing on site
- ☐ MOON Management Accessories

WAN controller connection via:
- ☐ Infrastructure existing on site
- ☐ Integrated LTE router

Network plans available?
- ☐ are available as PDF
- ☐ no

Usable static IPv4 address: _____

Subnet _____

Gateway _____

DNS _____

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Communication Settings

Outgoing communication must be allowed via the following ports:

Purpose	Port	Host	Protocol	
Dataupload	443	devices.smart1.eu	TCP / HTTP	☐
Firmware	443	firmware.smart1.eu	TCP / HTTPS	☐
SmartCloud	443	devcloud.smart1.eu	TCP / XML	☐

Notes:

- All components must be in the same subnet (e.g., 192.168.0.0/24)
- Client isolation must be disabled

Sections to be integrated

☐ **Photovoltaic**

	Manufacturer	Model	IP Address	AC-power [kVA]	DC-power [kWp]
☐ WR 1					
☐ WR 2					
☐ WR 3					
☐ WR 4					
☐ WR 5					
☐ WR 6					
☐ WR 7					
☐ WR 8					
☐ WR 9					
☐ WR 10					
			Sum		

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☐ Smartmeter

	Manufacturer	Model	Metering pont / Device
☐ SM 1	_____	_____	Grid connection point
☐ SM 2	_____	_____	_____
☐ SM 3	_____	_____	_____
☐ SM 4	_____	_____	_____
☐ SM 5	_____	_____	_____
☐ SM 6	_____	_____	_____
☐ SM 7	_____	_____	_____
☐ SM 8	_____	_____	_____

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☐ Energy Storage

	Manufacturer	Model	Address	IP/BUS	Energy-content [kWh]
☐ ESS 1	_____	_____	_____	_____	_____
☐ ESS 2	_____	_____	_____	_____	_____
☐ ESS 3	_____	_____	_____	_____	_____
☐ ESS 4	_____	_____	_____	_____	_____
☐ ESS 5	_____	_____	_____	_____	_____
				Sum	_____

☐ AC Charging Infrastructure

	Manufacturer	Model	IP Address	Power [kVA]	Quantity LS / LP
☐ AC 1	_____	_____	_____	_____	___/___
☐ AC 2	_____	_____	_____	_____	___/___
☐ AC 3	_____	_____	_____	_____	___/___
☐ AC 4	_____	_____	_____	_____	___/___
☐ AC 5	_____	_____	_____	_____	___/___
☐ AC 6	_____	_____	_____	_____	___/___
☐ AC 7	_____	_____	_____	_____	___/___
☐ AC 8	_____	_____	_____	_____	___/___
☐ AC 9	_____	_____	_____	_____	___/___
☐ AC 10	_____	_____	_____	_____	___/___
☐ AC 11	_____	_____	_____	_____	___/___
☐ AC 12	_____	_____	_____	_____	___/___
			Sum	_____	___/___

☐ DC Charging Infrastructure

	Manufacturer	Model	IP Address	Power [kVA]	Quantity LS / LP
☐ DC 1	_____	_____	_____	_____	___/___
☐ DC 2	_____	_____	_____	_____	___/___
☐ DC 3	_____	_____	_____	_____	___/___
☐ DC 4	_____	_____	_____	_____	___/___
☐ DC 5	_____	_____	_____	_____	___/___
☐ DC 6	_____	_____	_____	_____	___/___
☐ DC 7	_____	_____	_____	_____	___/___
☐ DC 8	_____	_____	_____	_____	___/___
☐ DC 9	_____	_____	_____	_____	___/___
☐ DC 10	_____	_____	_____	_____	___/___
			Sum	_____	___/___

☐ Power2Heat

	Manufacturer	Model	Address	IP/BUS	AC-Power [kVA]
☐ WP 1	_____	_____	_____	_____	_____
☐ WP 2	_____	_____	_____	_____	_____
☐ HP 1	_____	_____	_____	_____	_____
☐ HP 2	_____	_____	_____	_____	_____
				Sum	_____

Notes:

- In case of already foreseeable extensions/changes of capacity or components, please record with the note "Future"!
- WP = Heat pump
- HP = Heating cartridge

Desired Functions

Photovoltaic

☐	Power reduction at grid connection point fixed/dynamic to _____ kVA
☐	Power reduction via ripple control receiver/voltage monitor/etc.
☐	Active and reactive power setting via IEC 60870-5-101/104
☐	Zero feed-in power
☐	Other:

Energy Storage

☐	Self-consumption optimization (Time shifting)
☐	Peak load capping (Peak Shaving) to _____ kVA
☐	Connection stabilization charging infrastructure
☐	Other:

Charging Infrastructure AC

☐	Dynamic load management to _____ kVA
☐	Prioritization
☐	External power reduction
☐	Other:

Charging Infrastructure DC

☐	Dynamic load management to _____ kVA
☐	Prioritization
☐	External power reduction
☐	Other:

Power2Heat

☐	Monitoring
☐	Control
☐	Other:

Other

Interface for remote control ? ☐ Ja, Modbus/TCP

Cellular outdoor antenna required? ☐ Ja

Comments

_____

_____

_____

_____

_____

_____

I confirm the accuracy of the above information and acknowledge this as the basis for the design of the energy management system. Furthermore, I acknowledge that the above assessment does not make any statement about the actual compatibility of the components mentioned with the MOON energy management system:

_____ _____

City, Date Company Signature

Concerns/applies to:

Product Name	Introduction	Restrictions
Management Professional S	Q1 2023	none
Management Professional M	Q1 2023	none
Management Mobility S	Q1 2023	none
Management Mobility DC	Q1 2023	nonee

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