



# Solinteg Introduction

[www.solinteg.com](http://www.solinteg.com)

INTEGRATE SOLAR INTELLIGENTLY



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SOCLINTEG

**01**

**⚡ Company**

**SOLINTEG**





Solinteg, is a leading technology and innovative-thinking enterprise, which provide advanced and optimized energy storage solution to integrate solar energy to distributed grid intelligently.

Driven by cutting-edge technology and Solinteg MORE platform, Solinteg offer products of PV inverters, battery, smart terminal, monitoring device and EMS service, with reliable and outstanding performance.

Solinteg has deployed global sales channels and customer service centers, committing to delivering intelligent, safe, cost-effective and sustainable clean energy to residential, commercial and industrial users all over the world.



# SOLINTEG



**BetterCleanEnergy  
to GreenFuture**



# Strategic Investment for Global Sales & Service

## Headquarter

Wuxi, China

## Branch

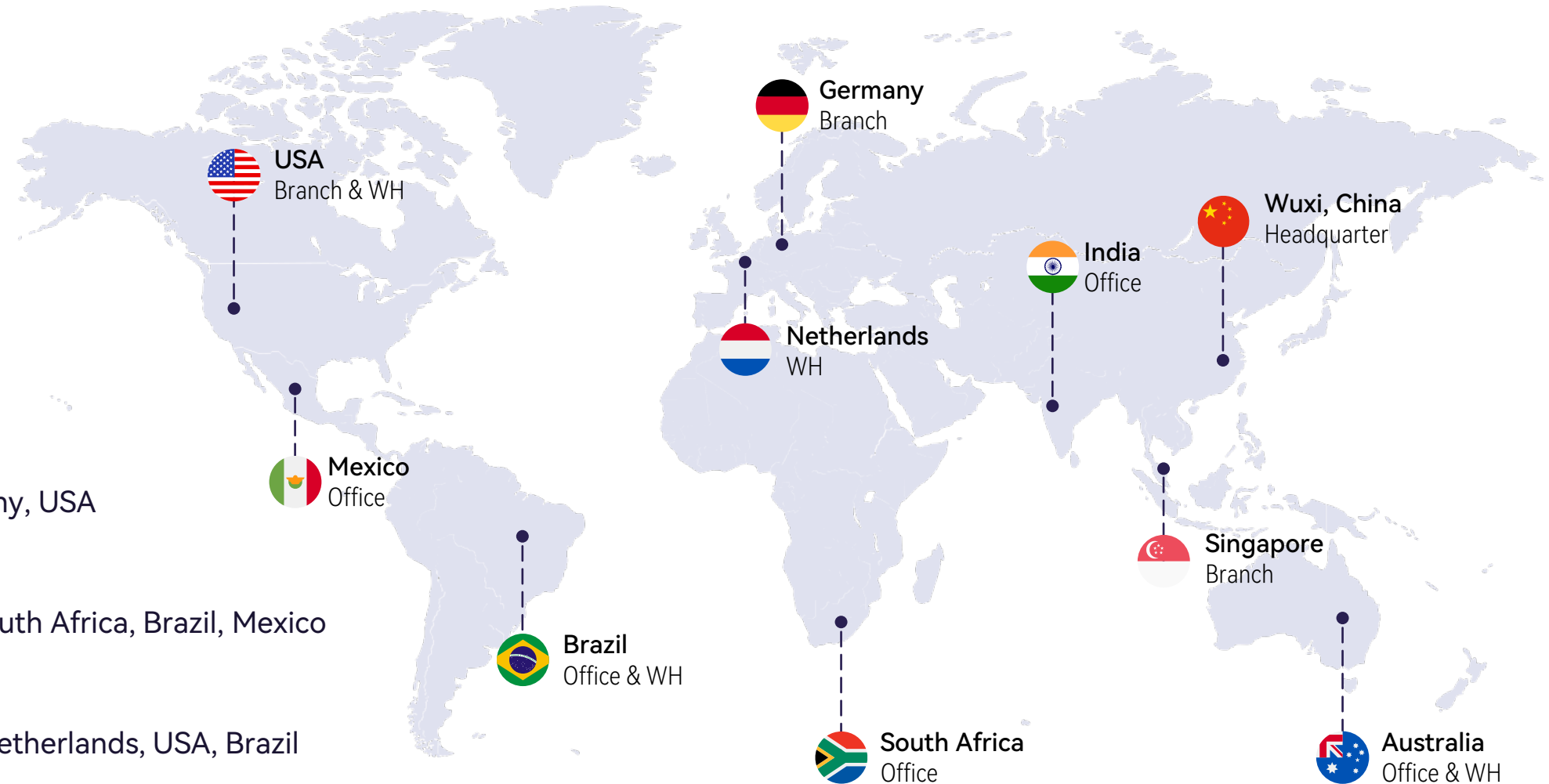
Singapore, Germany, USA

## Office

Australia, India, South Africa, Brazil, Mexico

## Warehouse

China, Australia, Netherlands, USA, Brazil



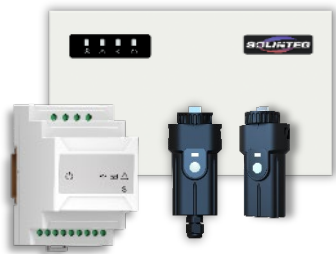
# MORE to ONE – Design for Intelligent Clean Energy



**Integ M Series**  
- The Power Master -  
**Hybrid Inverter**



**Integ O Series**  
- The Power Operator -  
**On-grid Inverter**



**Integ R Series**  
- The Power Reader -  
**Monitoring Device**



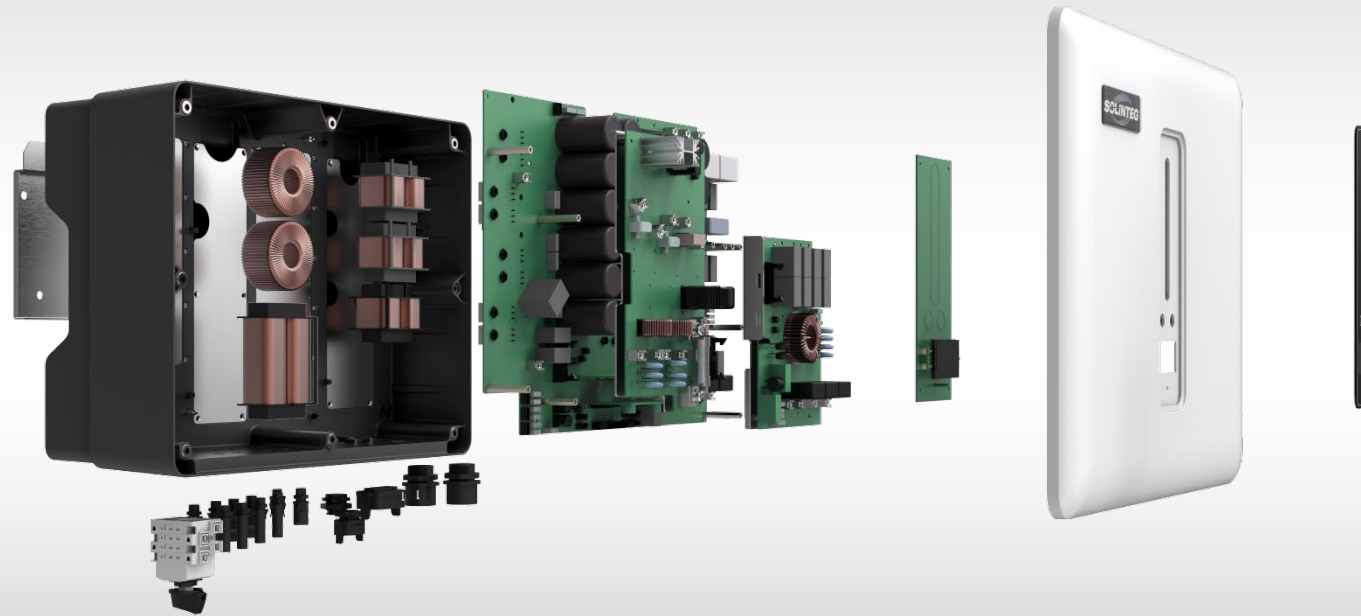
**Integ E Series**  
- The Power Extender -  
**Battery / Smart Terminal**



## Integ ONE Solution

HomeOne for Residential  
ParkOne for Commercial

# Solinteg MORE Platform with Advanced R&D Concept



## Modular

- CBB (Common building block) design concept for hardware and structure
- Firmware integrated with modular function optimized by intelligent algorithm

## Optional

- Easy for functional configuration with modular design of firmware and hardware
- Flexible and achievable for deep customization

## Reliable

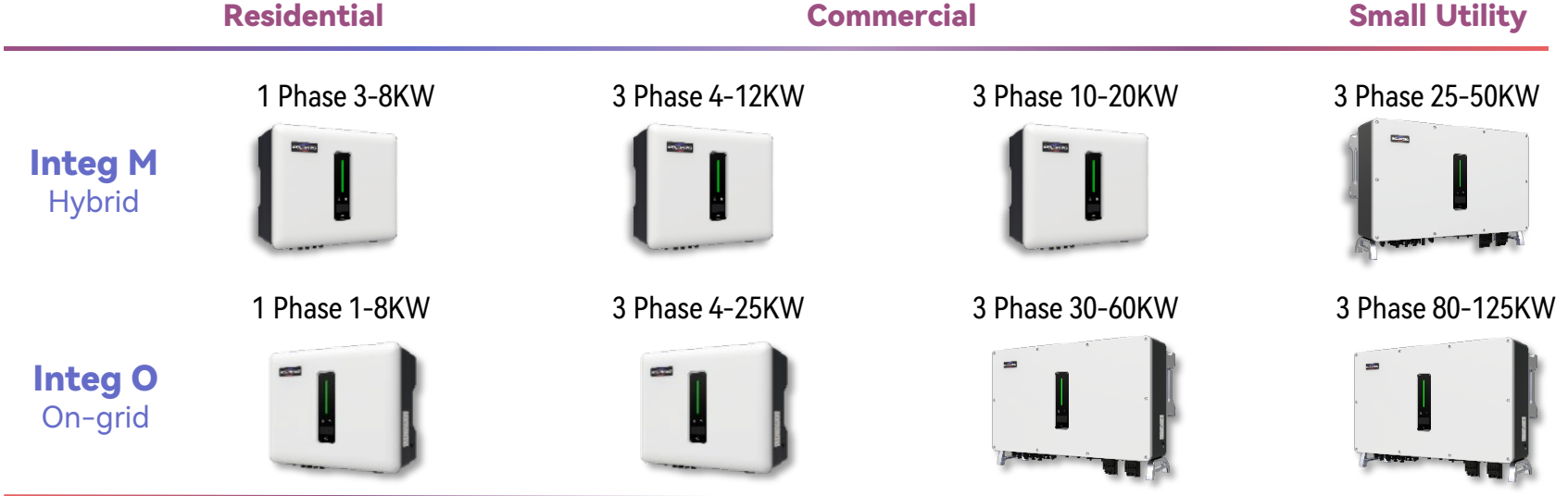
- Stable performance and high reliability for all series products
- Highly share design ideas, validation techniques and supply chain management

## Extensible

- Simple for external expansion with standardized components
- Easy for performance adjustment due to ability to customize



# Key Advantages by Solinteg MORE Platform

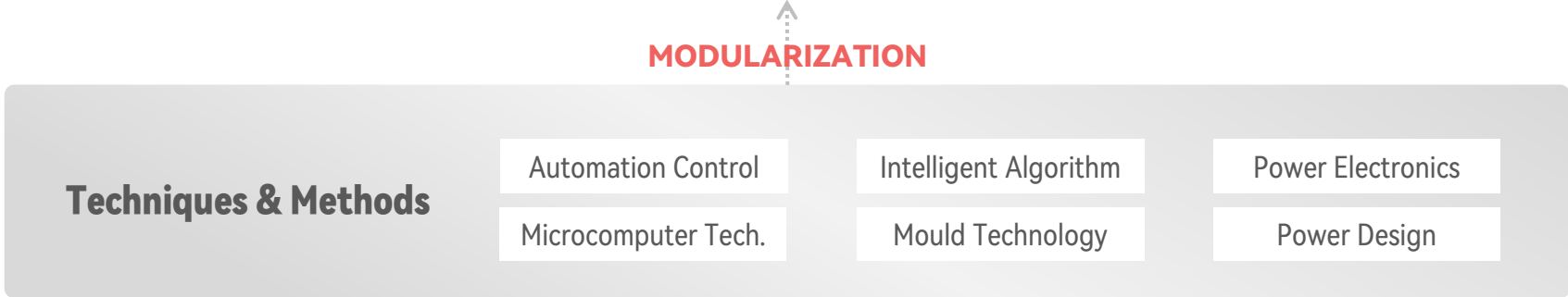
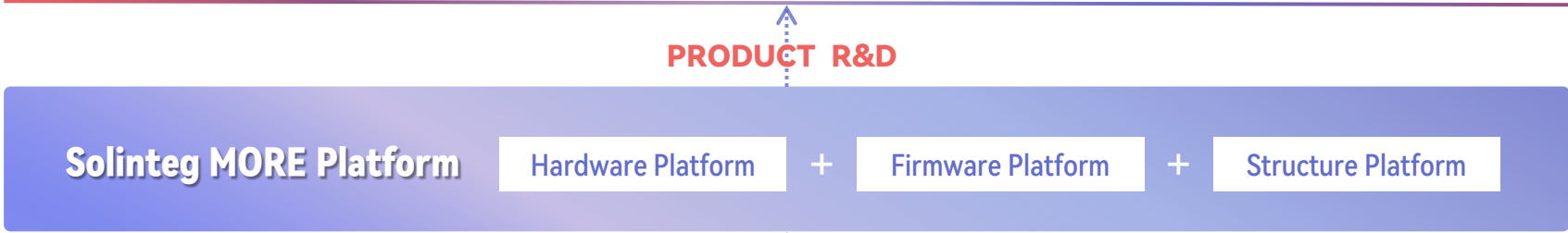


**Compact & Classic**  
Product Appearance

**Fast & Efficient**  
Product Development

**Reliable & Stable**  
Product Performance

**Synergetic & Systematic**  
Product Management








**02**



**Product**

**SOLINTEG**

# Integ M — High Voltage Hybrid Inverter

				
Product Overview	3-8 KW Single phase	4-12 KW Three phase	10-20 KW Three phase	25-50 KW Three phase
Battery Voltage Range	65-450V	135-750V	135-750V	135-750V
Max. Efficiency	97.6%	98.2%	98.4%	98.8%
No. of MPPTs	1/2	2	2	4
Charge & Discharge	30/30	25/25	40/40	100/100
UPS Switching Time	< 10ms	< 10ms	< 10ms	< 20ms
Dimensions	534×418×210 mm	534×418×210 mm	534×418×210 mm	760×460×290 mm



# Integ M — The Power Master with Leading Technology

Integ M Deliver World Class Performance

## Excellent Level

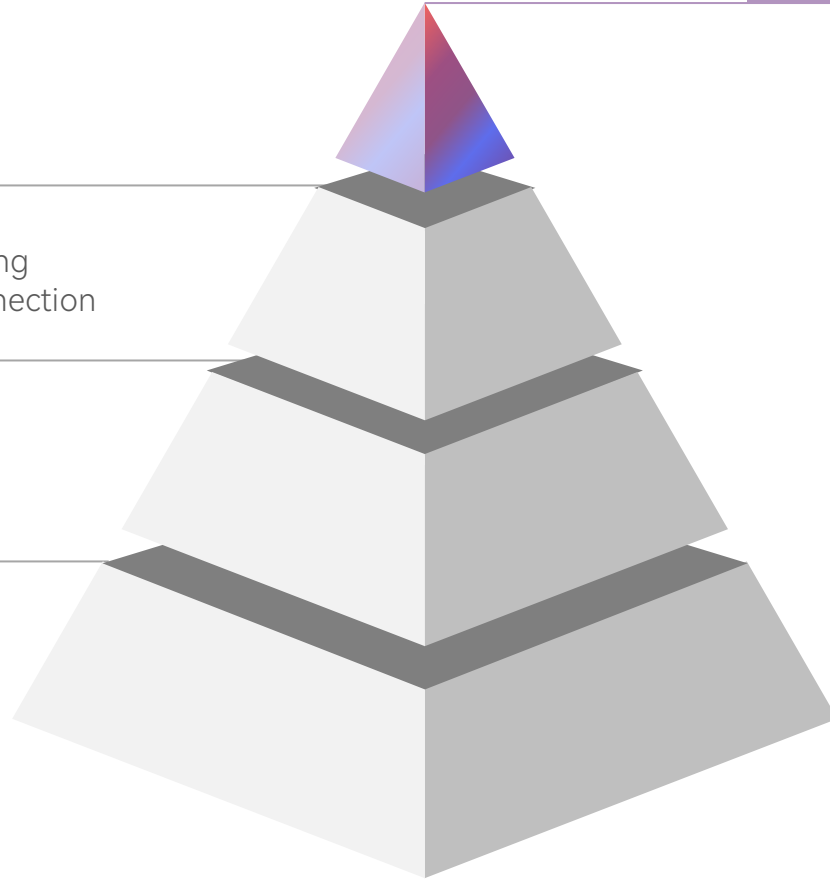
- Grid & back-up output overloading
- Support back-up paralleling connection

## Good Level

- Support EPS
- Monitoring function
- Back-up port available

## Basic Level

- Achieve DC to AC, AC to DC
- Compatible with some battery
- Battery charge via AC sources



**110%** Max. Unbalanced Load

**200%** Back-up Overloading @60s

**10ms** UPS-level Switching

**15-30A** PV Input Current

**40-100A** Charge & Discharge

# Integ M

## Single Phase 3-8KW Hybrid Inverter

97.6%

Max. Efficiency

15A

PV Input

10ms

UPS Switch



### Design for Home

- 3-8KW AC power range, flexible selection with various power class
- 15A max. PV input current, compatible with high efficiency solar module with large current
- 30A battery charge & discharge current, allows flexible capacity of battery system and faster charging
- Within 10ms UPS-level Switching, keep power supply for back-up load



### Convenient to Use

- Product with horizontal design and quick plug terminal, easy for installation and O&M
- OLED display and APP, double ways for data check
- Solinteg built-in EMS, manage power intelligently
- WIFI configuration via App, easy for monitoring
- Low operation noise, ideal for sweet home



### Long Life Operation

- Up to 10 years product warranty, guarantee a long-term performance
- IP 65 protection degree, adapt different environments well
- Die-casting molding structure, strong enough and look compact
- Good heat dispersion, ensure long-time efficient operation





## Best for Home

- 110% unbalanced output ability, support on both on-grid and back-up side
- 15A max. PV input current, compatible with high efficiency solar module with large current
- 135-750V wide battery voltage range, flexible configuration of battery system capacity
- Within 10ms UPS-level switching, keep power supply for back-up load



## Convenient to Use

- Product with horizontal design and quick plug terminal, easy for installation and O&M
- OLED display and APP, double ways for data check
- Solinteg built-in EMS, manage power intelligently
- WIFI configuration via App, easy for monitoring
- Low operation noise, ideal for sweet home



## Long Life Operation

- Up to 10 years product warranty, guarantee a long-term performance
- IP 65 protection degree, adapt different environments well
- Die-casting molding structure, strong enough and look compact
- Good heat dispersion, ensure long-time efficient operation

# Integ M

## Three Phase 4-12KW Hybrid Inverter



98.2%

Max. Efficiency

110%

Unbalanced Load

10ms

UPS Switch



# Integ M

## Three Phase 10-20KW Hybrid Inverter

98.4%

Max. Efficiency

110%

Unbalanced Load

10ms

UPS Switch



### Power the Building

- 110% unbalanced output ability, support on both on-grid and back-up side
- 15A max. PV input current, compatible with high efficiency solar module with large current
- 135-750V wide battery voltage range, flexible configuration of battery system capacity
- Within 10ms UPS-level switching, keep power supply for back-up load



### Pursuit of Stronger

- 40A battery charge & discharge current, allows flexible capacity of battery system and faster charging
- 110% AC output overloading ability, support stable access of multiple loads
- 200% max. output overloading support for back-up side with duration of 60s
- Solinteg built-in EMS, manage power intelligently



### Benefit from Reliability

- Up to 10 years product warranty, guarantee a long-term performance
- IP 65 protection degree, adapt different environments well
- Product with horizontal design and quick plug terminal, easy for installation and O&M
- Good heat dispersion, ensure long-time efficient operation





## Beyond the Power

- 25-50KW AC power range, define optimized solution for commercial PV energy storage system
- 30A max. PV input current, compatible with all solar module with large current
- 135-750V wide battery voltage range, flexible configuration of battery system capacity
- 100% unbalanced output ability, support on both on-grid and back-up side



## Pursuit of Performance

- 100A battery charge & discharge current, allows flexible capacity of battery system and faster charging
- 110% AC output overloading ability, support stable access of multiple loads
- 200% max. output overloading support for back-up side with duration of 60s
- Solinteg built-in EMS, manage power intelligently



## Benefit from Reliability

- Up to 10 years product warranty, guarantee a long-term performance
- IP 65 protection degree, adapt different environments well
- Product with horizontal design and quick plug terminal, easy for installation and O&M
- Good heat dispersion, ensure long-time efficient operation

# Integ M

## Three Phase 25-50KW Hybrid Inverter



98.8%

Max. Efficiency

100A

Charge Discharge

30A

PV Input

# Integ O – The Power Operator

Grid Connected PV Inverter

1–3.3KW  
Single Phase



3–8KW  
Single Phase



4–25KW  
Three Phase



30–60KW  
Three Phase



80–125KW  
Three Phase



Max Input Voltage (V)

500

600

1100

1100

1100

Max PV Input Current (A)

15

15

15/15; 30/30

4×26/2×52

10×26/5×52

No. of MPP Trackers

1

2

2

4/2

10/5

MPPT Voltage Range (V)

80–450

80–550

160–1000

180–1000

200–1000

Start-up Voltage (V)

60

80

180

180

200

Max Efficiency

97.5%

98.1%

98.6%

98.8%

98.8%



# Product Strategy with Integrated Launch Plan

Q1 2022						
Q2 2022	<b>Integ M Hybrid Inverter</b>	4-12 KW Three Phase	10-20 KW Three Phase			
Q3 2022	<b>Integ M Hybrid Inverter</b>	3-8 KW Single Phase	25-50 KW Three Phase	<b>Integ O On-grid Inverter</b>	1-8 KW Single Phase	4-25 KW Three Phase
Q4 2022	<b>Integ O On-grid Inverter</b>	30-60 KW Three Phase	<b>Integ R Smart Meter</b>	<b>Integ E Battery</b>	Residential High Voltage	
Q1 2023	<b>Integ O On-grid Inverter</b>	80-125 KW Three Phase	<b>Integ E Battery</b>	Commercial High Voltage		
Q2 2023	<b>Integ E EV Charger</b>					
Q3 2023	<b>Integ M Hybrid Inverter</b>	SiC base 4-20KW				
Q4 2023	<b>Integ M PCS</b>	Utility > 100KW				

# Product High Quality Guaranteed by Certification

	IEC	EU Safety	EU EMC	Europe	Australia	South Africa	Germany
	IEC61727 IEC62116 IEC60068 IEC61683	IEC 62109-1 IEC 62109-2	EN 61000-6-2 EN 61000-6-3	EN 50549-1	AS4777.2	NRS 097-2-1	VDE AR-N4105 VDE 0124
<b>Integ M 4-12KW</b>	Q4 2022	Q2 2022	Q2 2022	Q2 2022	Q4 2022	Q3 2022	Q3 2022
<b>Integ M 10-20KW</b>	Q4 2022	Q2 2022	Q2 2022	Q2 2022	Q4 2022	Q3 2022	Q3 2022
<b>Integ M 3-8KW</b>	Q4 2022	Q3 2022	Q3 2022	Q3 2022	Q4 2022	Q3 2022	Q3 2022
<b>Integ M 25-50KW</b>	Q4 2022	Q3 2022	Q3 2022	Q3 2022	Q4 2022	Q3 2022	Q3 2022

	Austria	Italy	England	Belgium	Poland	Spain	Spain
	TOR Erzeuger	CEI-016/021	G99	C10/11	PN-EN50549-1:2019 Type B	UNE217001/RD244	UNE217002/TED749
<b>Integ M 4-12KW</b>	Q2 2022	Q3 2022	Q4 2022	Q3 2022	Q3 2022	Q4 2022	Q4 2022
<b>Integ M 10-20KW</b>	Q2 2022	Q3 2022	Q4 2022	Q3 2022	Q3 2022	Q4 2022	Q4 2022
<b>Integ M 3-8KW</b>	Q3 2022	Q3 2022	Q4 2022	Q3 2022	Q3 2022	Q4 2022	Q4 2022
<b>Integ M 25-50KW</b>	Q3 2022	Q3 2022	Q4 2022	Q3 2022	Q3 2022	TBD	TBD



**03**

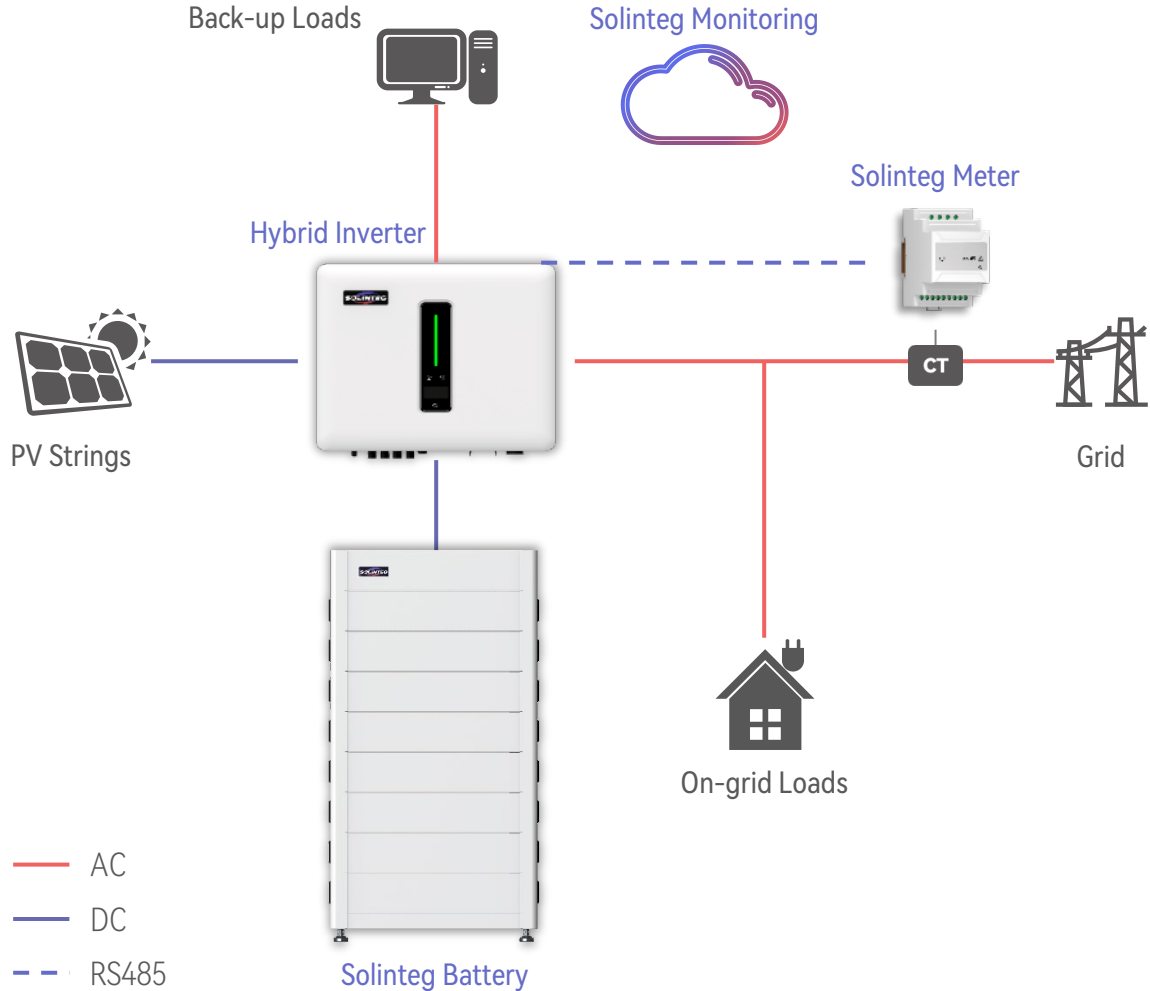
**⚡ Solution**

**SOLINTEG**





# HomeOne – Intelligent Energy Solution for Home



**Integration**  
Key components from Solinteg

**Efficiency**  
Efficient coordination for system operation

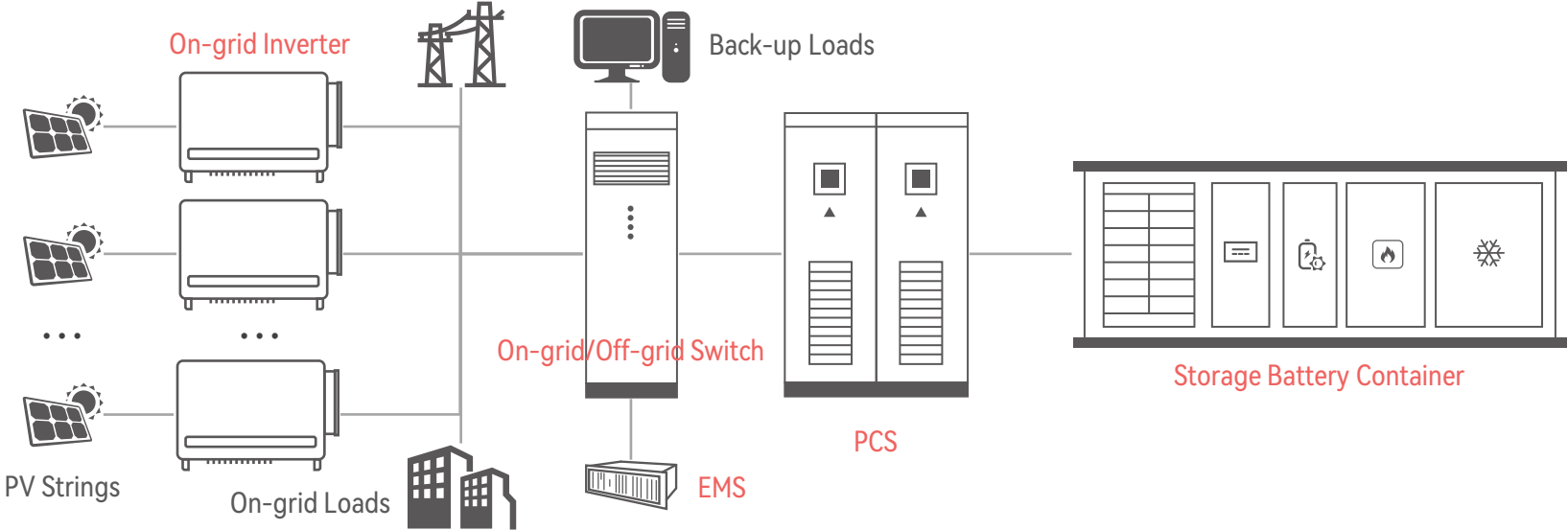
**Extensibility**  
Flexibly expand capacity of system

**Intelligence**  
Harvest more power with intelligent EMS

System Components	
Solinteg Hybrid Inverter	Integ M 3-8KW Single Phase Integ M 4-20KW Three Phase
Solinteg Battery	Integ E Battery
Solinteg Meter	Integ R Meter
Solinteg Monitoring	Integ EMS

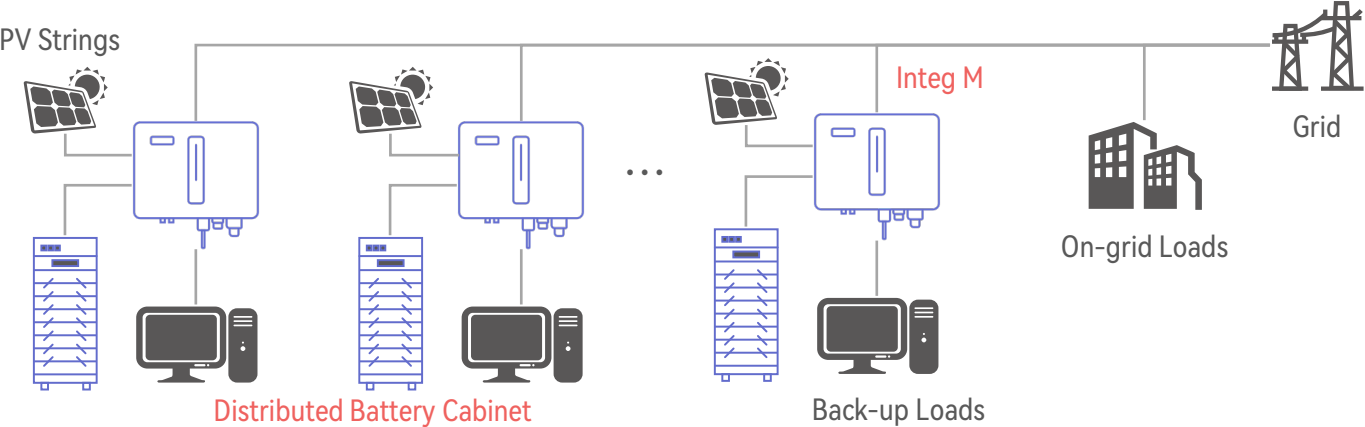
# ParkONE – Innovative Solution for Commercial System

**Traditional Solution**  
 On-grid Inverter  
 PCS  
 EMS  
 On-grid/Off-grid Switch  
 Storage Battery Container



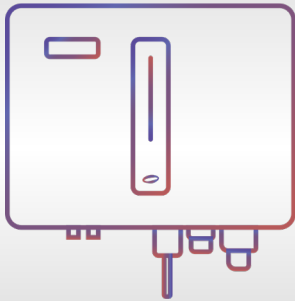
*WHICH SOLUTION WILL YOU CHOOSE ?*

**Solinteg ParkONE**  
 Integ M Hybrid Inverter  
 Distributed Battery Cabinet



# ParkONE – One Powerful than Many

**Integ M Hybrid 25-50KW**  
Double DSP + FPGA + ARM



**FLEXIBLE** IP65 protection degree, meet requirements of installation for indoor or outdoor

**INTEGRATIVE** Integrated controller with optimized coordination ensure excellent performance

**MODULAR** High reliability and easy for O&M thanks to MORE platform

**COST-EFFECTIVE** Cost saving on transportation and long-term maintenance

**EFFICIENT** High efficiency of system based on multi-level topology and new generation of semiconductor devices

**Traditional ESS Components**  
On-grid Inverter + On-grid/Off-grid Switch + PCS + EMS



**LIMITED** Low protection level, more restrictions of installation and apply only to outdoor

**COMPLEX** Different equipment lead to lower coordination on operation

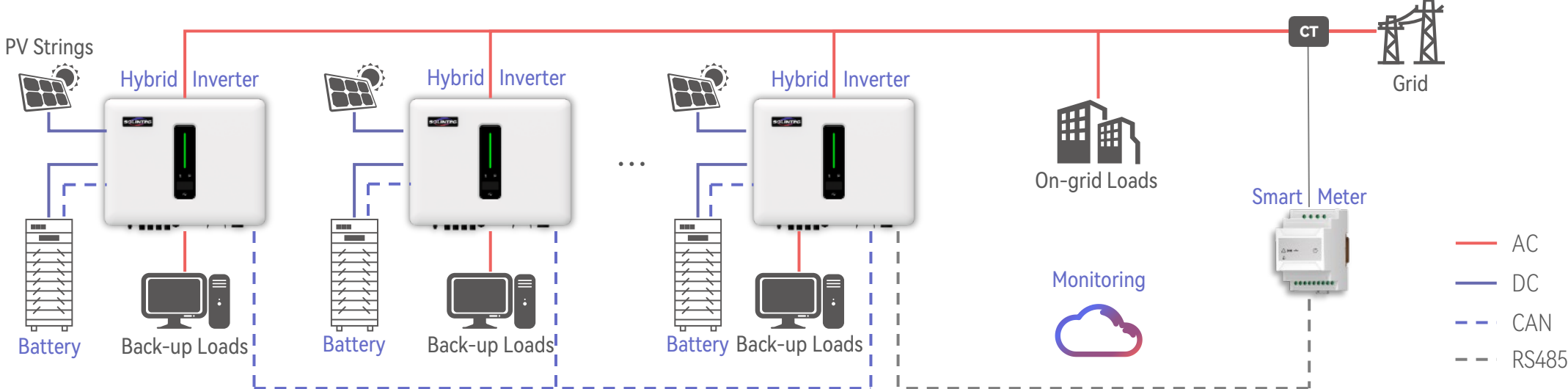
**UNSTABLE** Low reliability with more failure risks and high complexity of O&M

**HIGH-COST** High cost on installation, transportation and long-term maintenance

**INEFFICIENT** Low system efficiency since energy transfer between multi-devices



# ParkONE – Intelligent Energy Solution for C&I



## System Components

Solinteg Hybrid Inverter	Integ M 10-20KW Three Phase Integ M 25-50KW Three Phase
Solinteg Battery	Integ E Battery
Solinteg Meter	Integ R Meter
Solinteg Monitoring	Integ EMS

**Integration**  
Key components from Solinteg

**Extensibility**  
Flexibly expand capacity of system

**Efficiency**  
Efficient coordination of operation

**Intelligence**  
Harvest power with intelligent EMS

**04**



**Service**

**SOLINTEG**

# Solinteg Energy Management System

## Solinteg Monitoring Platform



Web Monitoring Portal

[www.solinteg-cloud.com](http://www.solinteg-cloud.com)



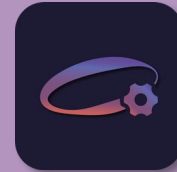
App Monitoring Portal



Solinteg



## WIFI Configuration via APP



Solinteg  
Set



# Solinteg Focus On Delivering Value

## TECHNOLOGY



40%

R&D Staff Approx.

## GLOBAL & LOCAL



3

Branches in Plan  
Singapore/Germany/  
USA

## SUPPLYCHAIN



90%

Strategic Partners  
from World-leading  
Level

## CAPACITY



2GW

Production Capacity  
Ready in 2023



**THANK YOU**

[www.solinteg.com](http://www.solinteg.com)