



Proflex Carbon Neutral

Smart PV-Energy Storage Solutions

The Fusion of Solar, Energy, Storage, and Intelligence

About Proflex

Proflex integrates solar power, energy storage, and intelligent management to deliver safe, efficient, and sustainable clean energy worldwide. With innovation at our core and openness in our approach.

We connect technologies, industries, and communities - driving the intelligent transformation of global energy systems

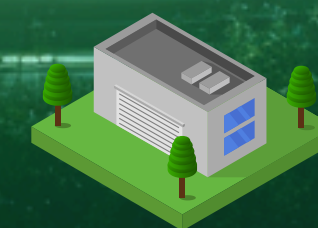
What's Carbon Neutral Solution

Proflex integrates solar power, energy storage, and intelligent management to deliver safe, efficient, and sustainable clean energy worldwide. With innovation at our core and openness in our approach.

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Carbon Neutral Home
A fully integrated home energy system that maximizes self-consumption, cuts energy costs, and provides uninterrupted power - all with intelligent control



Carbon Neutral Business
An adaptable, next-generation energy system crafted to meet a wide range of applications — from enterprises and agriculture to education facilities and off-grid villages — delivering renewable, affordable, and dependable clean power.

Carbon Neutral Home

Clean Energy for Morden Living

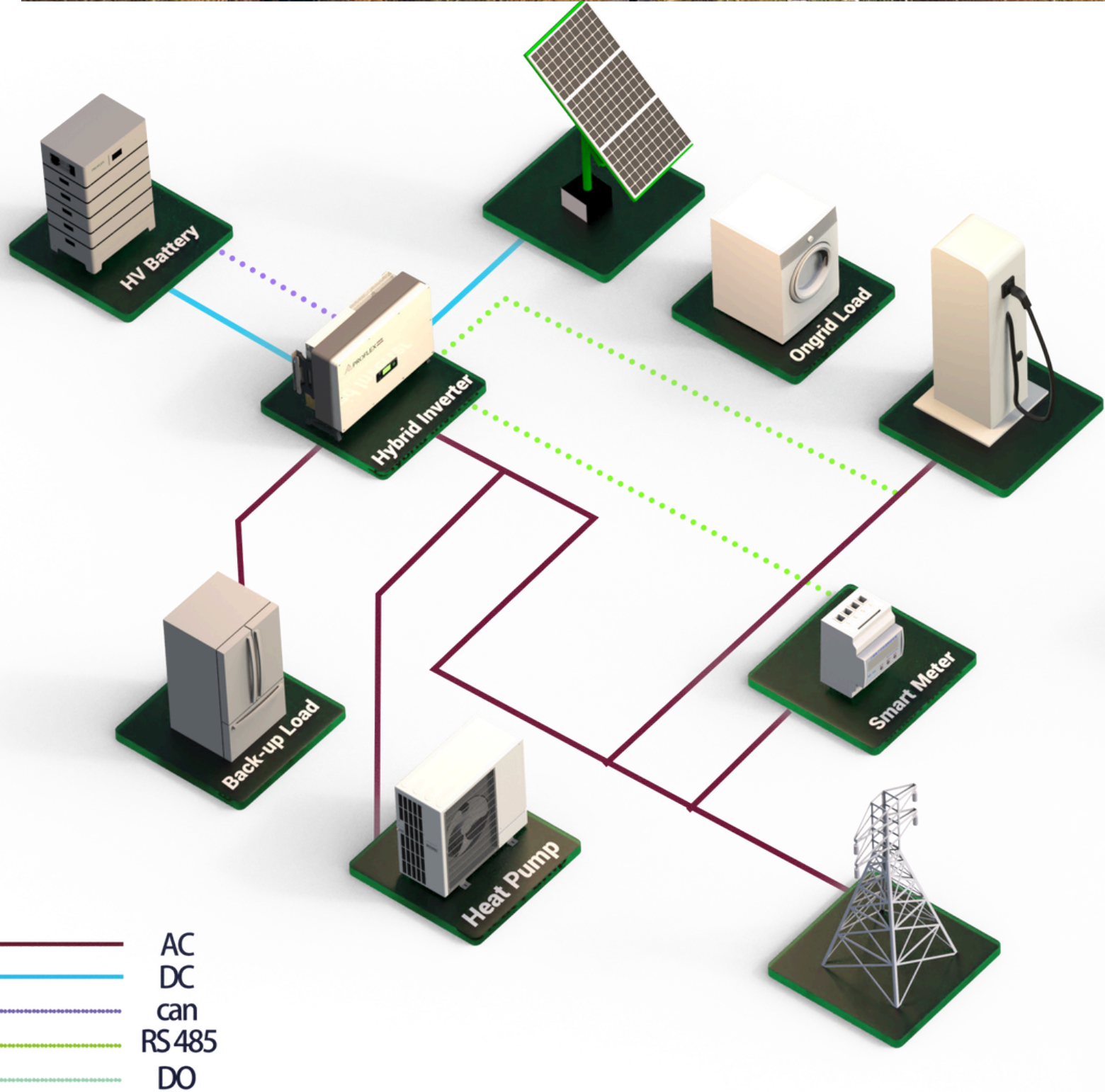


Smart PV-Storage-Charging Home
PV-Diesel Hybrid Home
Parallel Hybrid Home with Generator
Community-Level Scalability
AC-Coupled Upgrade Home
Off-Grid Solar Home
Battery Later Solar Home

Smart PV-Storage-Charging Home

A Smart PV-Storage-Charging Home is a modern intelligent household energy ecosystem, where solar panels on the roof capture clean energy, a home battery stores the excess electricity, and an EV charger seamlessly powers your car.

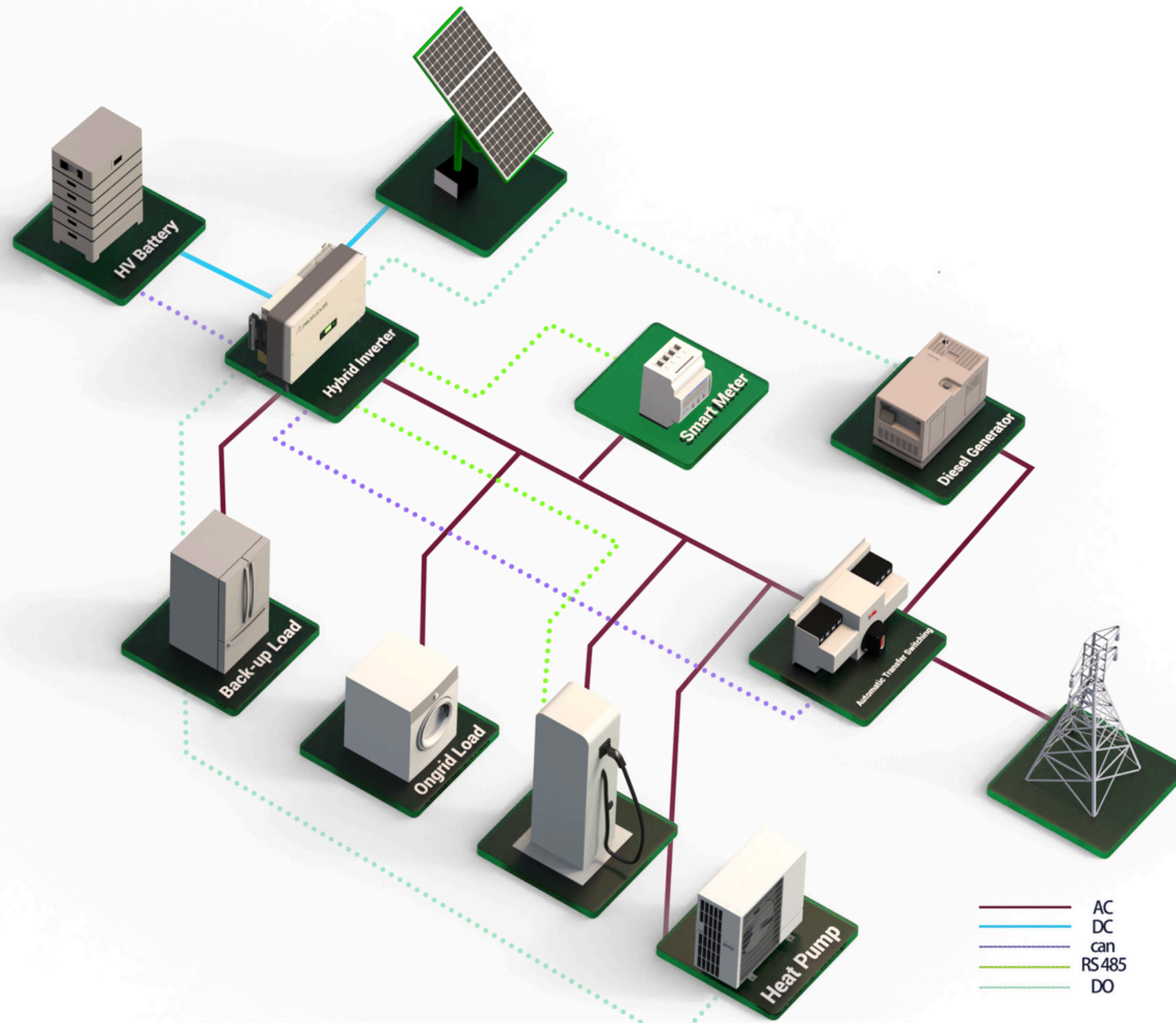
All of these are coordinated by an intelligent energy management system that balances generation, storage, and consumption, ensuring lower costs, higher efficiency, and a greener lifestyle.



PV-Diesel Hybrid Home

A PV-Diesel Hybrid Home represents a resilient and forward-looking energy architecture that blends renewable generation with conventional reliability. Solar panels capture abundant clean energy during the day, powering the household and reducing dependency on fossil fuels. The diesel generator, configured as a strategic backup, ensures continuity in periods of low solar availability or unexpected demand peaks.

In the long term, such hybrid homes pave the way for communities that remain energy independent, carbon-conscious, and prepared for future innovations in distributed generation.

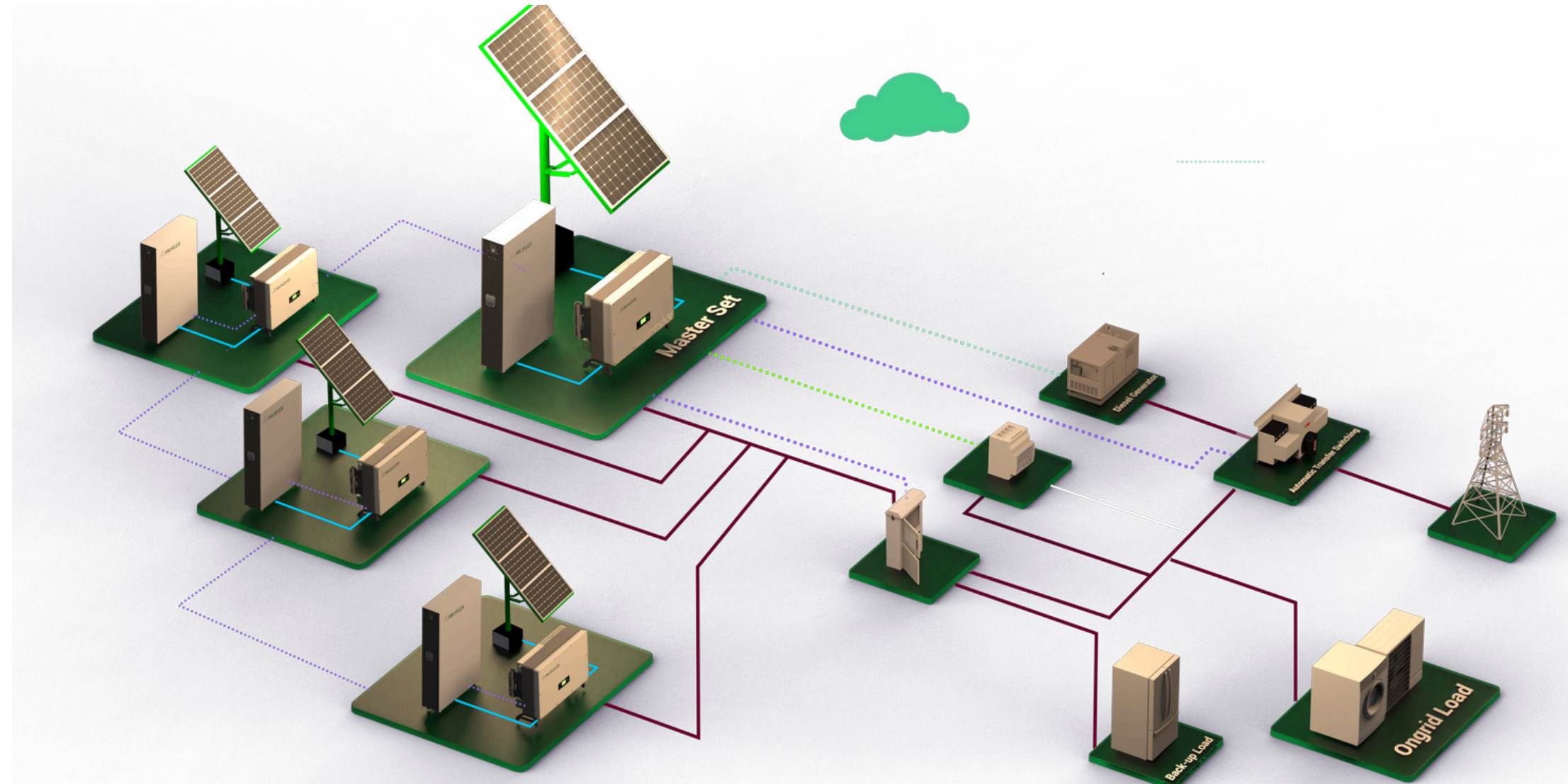


A Parallel Hybrid Home with Generator

This architecture seamlessly integrated with a diesel generator to achieve higher capacity and enhanced reliability.

Multiple inverters operate in parallel, efficiently distributing loads across the system while ensuring redundancy and scalability. The solar PV array provides the primary source of clean energy, while the diesel generator acts as a synchronized partner, automatically supplying additional power when demand exceeds solar generation.

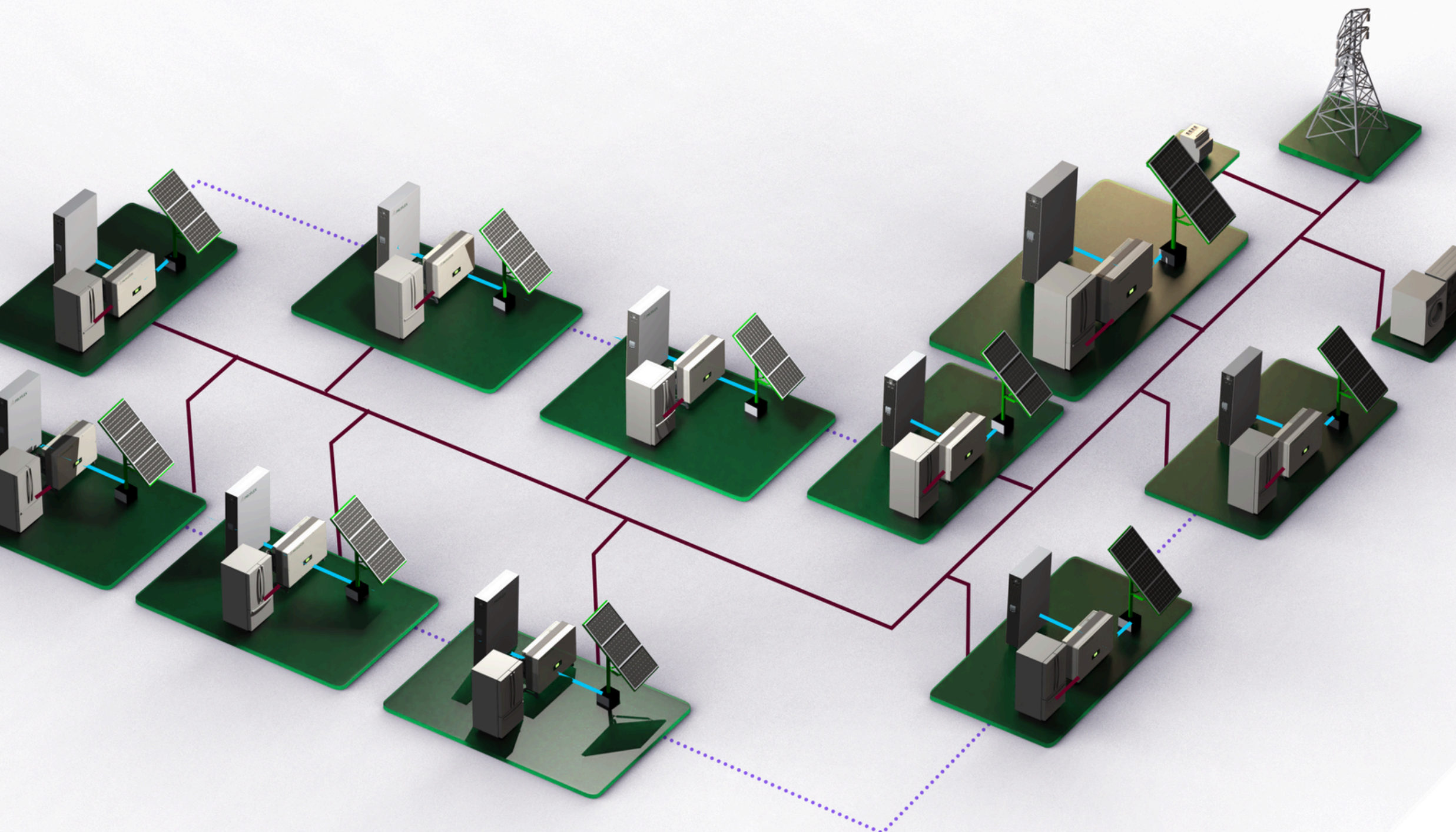
This configuration not only supports larger households or energy-intensive applications but also guarantees stability during grid fluctuations or outages.



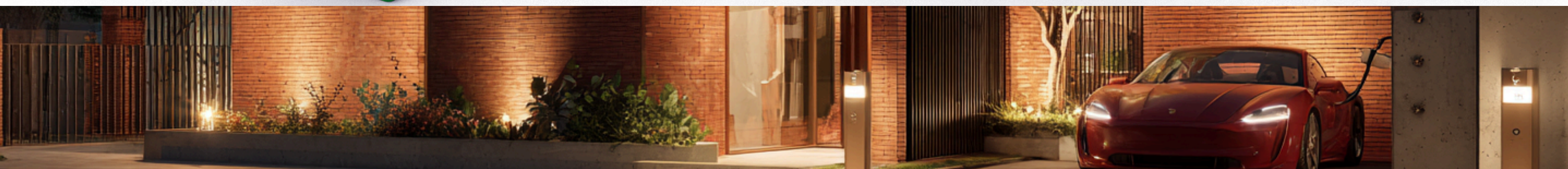
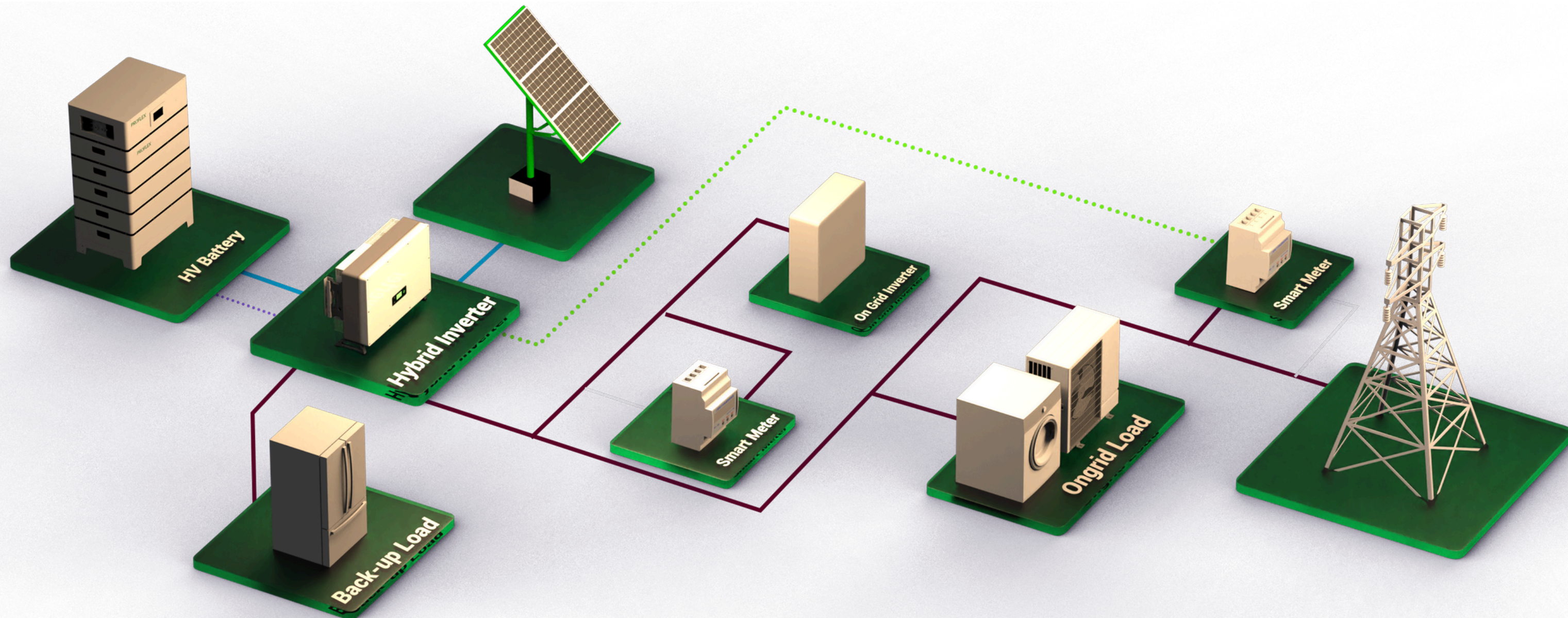
Community-Level Scalability

A Parallel Hybrid Home is powered by a multi-inverter setup, where several inverters operate in parallel under a unified control system.

This architecture increases the total system capacity, ensures efficient load distribution, and provides redundancy for reliable performance. By synchronizing multiple inverters, the system delivers seamless power sharing and stable operation, supporting both household demand and larger-scale applications. With centralized intelligent control, it can optimize the balance between solar generation, battery storage, and energy consumption. The parallel configuration not only enhances scalability for larger homes but also offers the flexibility to expand toward community-level energy networks, enabling future-ready distributed power solutions.



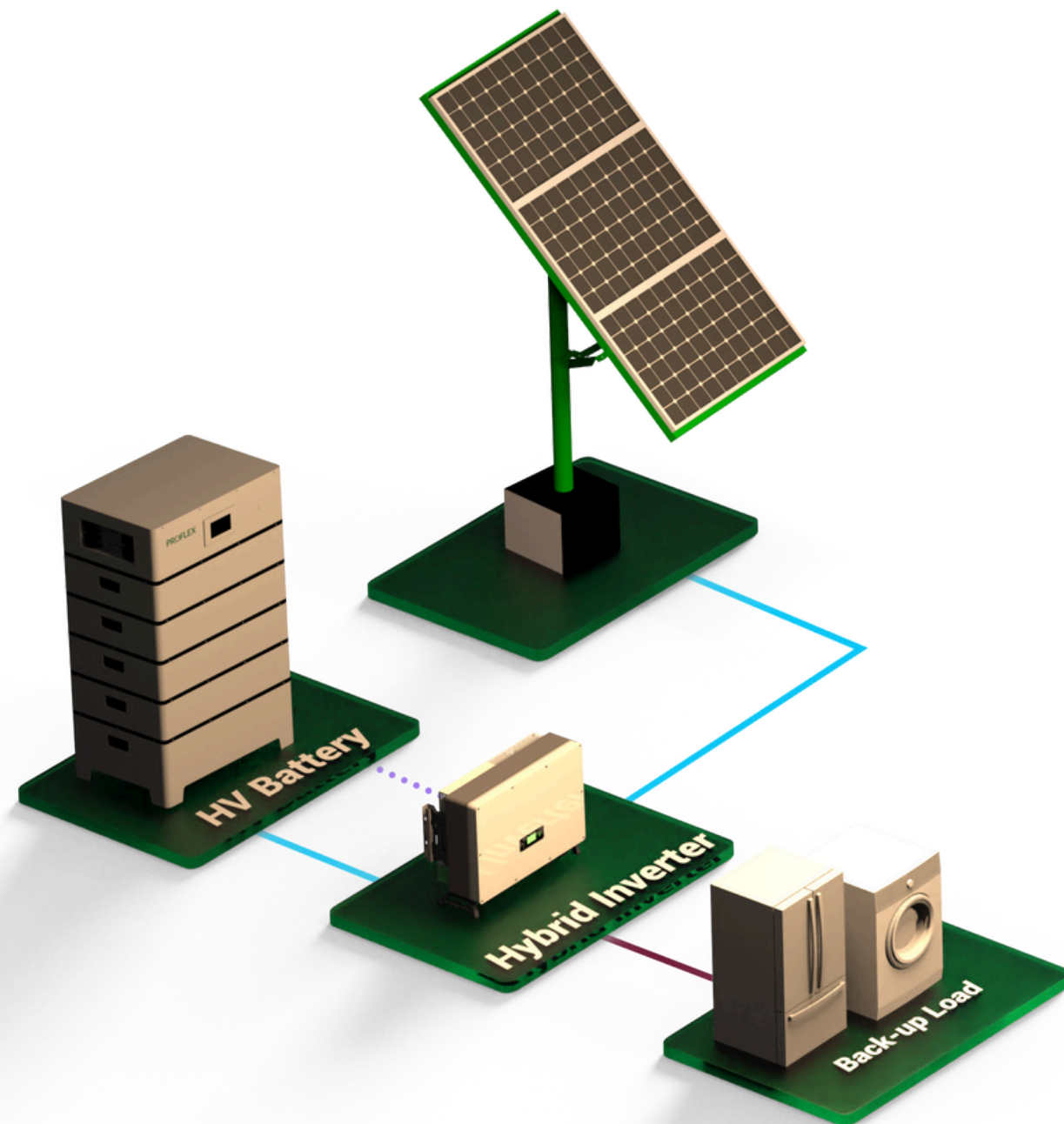
By integrating an AC-coupled battery, the upgrade requires minimal modifications to the current setup, preserving the investment in solar while unlocking new levels of flexibility. The system stores excess solar power during the day and makes it available at night or during peak demand, reducing grid dependency and electricity costs. With intelligent control, the battery can also provide backup during outages, ensuring energy security. This simple yet powerful upgrade transforms a standard solar home into a resilient, future-ready energy hub.



Off-grid Home

An Off-Grid Solar Home achieves complete energy independence by operating without any connection to the utility grid.

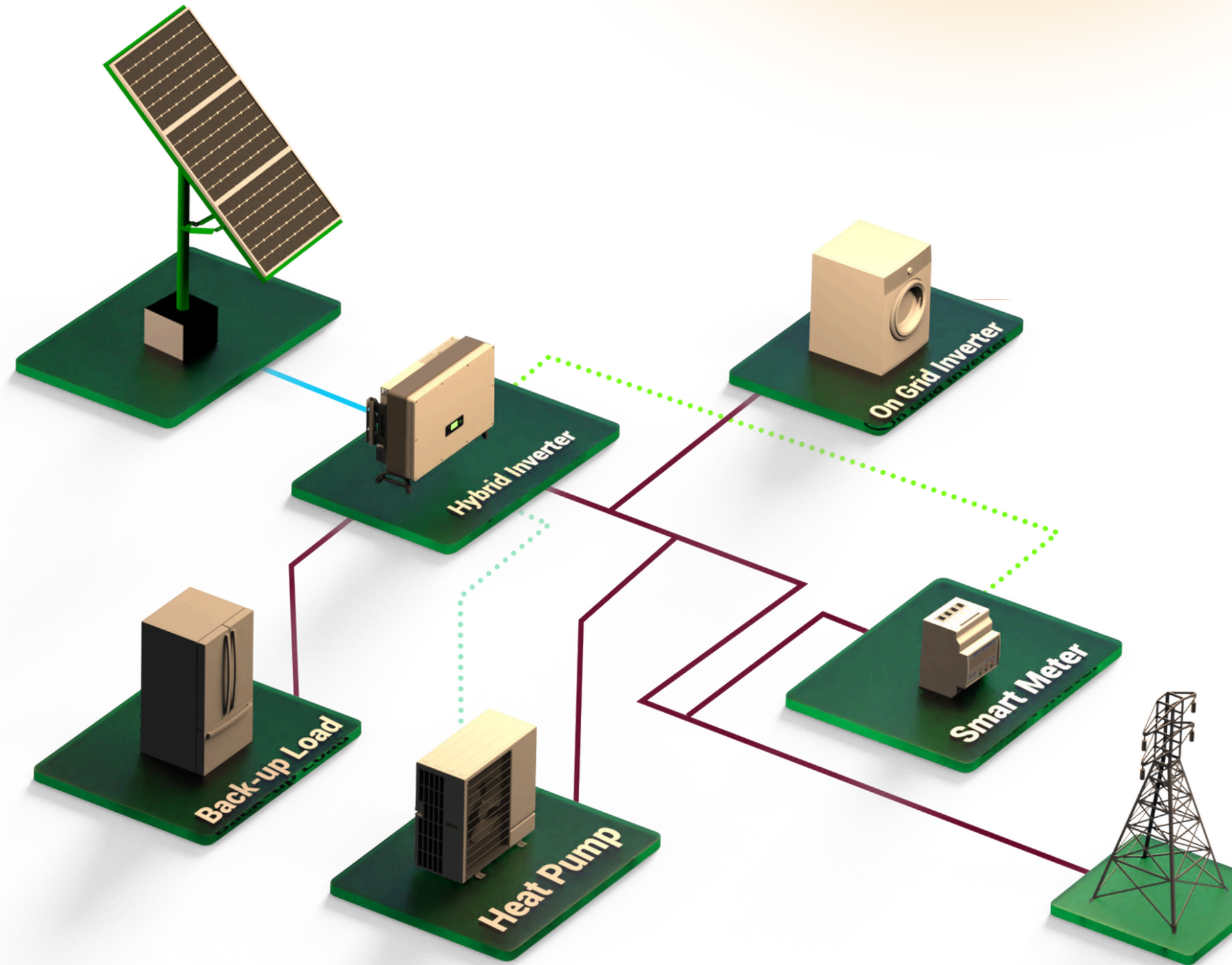
Rooftop solar panels generate clean electricity during the day, while a dedicated battery storage system ensures that energy is available at night or during cloudy periods. With intelligent energy management, the home balances generation, storage, and consumption to guarantee a continuous and reliable power supply. Designed for remote locations or homeowners seeking full autonomy, an off-grid solar home provides freedom from rising utility costs, resilience against outages, and a truly sustainable lifestyle.



Battery Later Home

A Battery-Ready Solar Home is designed for flexibility, allowing homeowners to install solar PV today and seamlessly add battery storage in the future as energy needs grow. The system is preconfigured with compatible inverters and wiring, making the later addition of storage simple, cost-effective, and disruption-free.

During the initial phase, solar panels reduce grid dependency and lower electricity bills. When battery storage is added, the home can store excess solar power, provide backup during outages, and further optimize self-consumption. This approach empowers homeowners to start their renewable journey immediately while keeping the option open for future upgrades, ensuring scalability, resilience, and long-term value.



Proflex Meta ESS hub

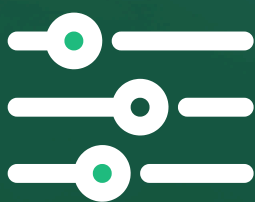
PROFLEX' s Metaess platform delivers intelligent monitoring and energy management, seamlessly connecting all devices in your PV-storage system to optimize performance with data-driven insights.



Dynamic Tarrif
+ToU



Remote
Upgrade



Smart
O&M

Experience Demo:







5.12kWh,51.2V,52kg,630/390/169mm								
No. of Module	3	4	5	6	7	8	9	10
Battery Capacity(wh)	15360	20480	25600	30720	35840	40960	46080	51200
Nominal Voltage(V)	153.6	204.8	256	307.2	358.4	409.6	460.8	512
Operating Voltage Range(V)	141.6-170.4	188.8-227.2	236-284	283.2-340.8	330.4-397.6	377.6-454.4	424.8-511.2	472-568
Dimension(H*W*D mm)	754/630/390	923/630/390	1092/630/390	1261/630/390	1430/630/390	1599/630/390	1769/630/390	1937/630/390
Weight(KG)	177	229	281	333	351	397.5	489	541
Cell Type	LFP							
Max.Charge/Discharge Curent(A) 50	50							
ContinuousCharging/Discharging Current(A)	50							
Operating Temperature Range(°C)	0-45							
Temperature.Control	natural cooling							
Communication Port	CAN							
Cycle Life (80%DOD,25°C)	≥6000							
Ingress Protection Rating	IP54							
Installation Stacked Floor Mount	Stack Floor Mounted							
Relative Humidity ≤95%rh	≤95%rh							
Humidity of storage environment ≤95%rh	≤95%rh							
Max.Operating Altitude ≤3000m	≤3000m							
Storage Temperature	≤25°C,12 months;≤35°C,6 months;≤45°C,3 months							
Certification	CE,IEC62619(Cell&Pack),MSDS,ROHS,UN38.3							

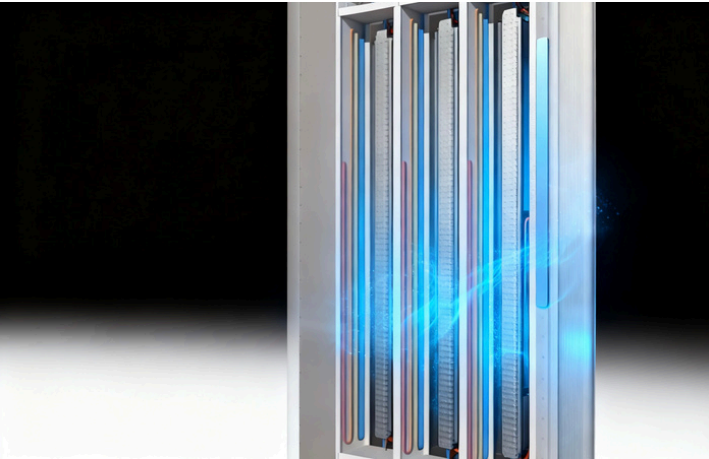
PR 2

Liquid Thermal Management version



Advanced Thermal Management System

- High heat transfer efficiency – liquid has much higher thermal conductivity than air.
- Precise temperature control – maintains cell temperature differences within $\pm 3 - 5^{\circ}\text{C}$.
- Dual functionality – can also provide heating in cold environments.



Side Temperature Exchange Plate

- The main heat sources of a cell are located near the active materials and tabs, which transfer heat more easily through the side walls.
- With cooling plates attached to the large side surfaces, the thermal path is shorter, resulting in faster and more efficient heat dissipation.

Model	PR2-14.3k-LV-LC	PR2-13.4K-HV-LC
Battey Capacity(wh)	14336	13440
Number of cells	1P8S*2	CTP-1P84S
Cell Type	LFP	LFP
Nominal Voltage(V)	51.2	268.8
Operating Voltage Range (V)	46.4~57.6	252-302.4
Max.Charge/Discharge Current(A)	200	50(1C) / 75(1.5C)
Continuous Charging/Discharging Current(A)	200	
Max.Power(W)	10240	20160
Dimension(H*W*D mm)	1169.5*640*197	1130*670*188
Weight(KG)	150	151
Operating Temperature Range(°C)	-20-55	-20-55
Temperature Control	liquid-cooled	liquid-cooled
Coolant	ethylene glycol C2H4(OH)2	ethylene glycol C2H4(OH)2
Max Parrallel	4	4
Charge and Discharge Efficiency	96.10%	
Communication	CAN,RS485,WIFI	CAN,RS485,WIFI
DOD	100%	100%
Ingress Protection Rating	IP65	IP65
Installation	Floor Mount	Floor Mount
Relative Humidity	≤95%rh	95%rh
Humidity of storage environment	≤95%rh	95%rh
Max.Operating Altitude(m)	≤3000	≤3000
Storage Temperature	≤25°C,12 months;≤35°C,6 months;≤45°C. 3 months	≤25°C,12months;s35°C,6 months;≤45°C. 3months
Certification:TUV,RoHS,MSDS,UN38.3,IEC62619,CE		

PR 2

Air cooling Version



Best Value

No. of Module	PR2-16K-LV	PR2-14.23K-LV	PR2-16K-LV
Battery Capacity(wh)	10240	14336	16076
Number of cells	1P8S*2	1P8S*2	1P8S*2
Cell Type	LFP		
Nominal Voltage (V)	51.2		
Operating Voltage Range (V)	46.4~57.6		
Max.Charge /Discharge Current (A)	120	200	200
Continuous Charging/Discharging Current (A)	120	200	200
Max.Power (W)	6144	10240	10240
Dimension (H*W*D mm)	871.1*519*133	750*412*235	750*412*235
Weight(KG)	92	119	121
Operating Temperature Range(°C)	0-50		
Max.Number of Parallel	16		
Communication	RS232 / RS485 / CAN		
Cycle Life	>6000	>8000	>8000 (80%DOD,25°C)
Ingress Protection Rating	IP65	IP65	IP54
Installation	Wall or floor mounting		
Relative Humidity	≤95%rh		
Humidity of storage environment	≤95%rh		
Max. Operating Altitude (m)	≤3000		
Storage Temperature	≤25°C ,12 months ; ≤35°C,6 months ; ≤45°C,3 months		
Certification	UN38.3,CE-EMC,IEC62619,MSDS,ROHS		

PRSW-TCB3 4-12kW Hybrid Inverter

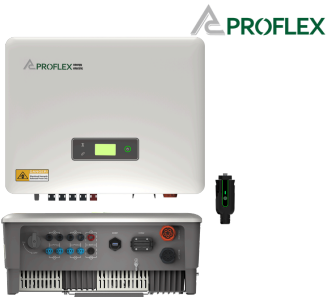
TCB3-4/5/6/8/10/12K-25
Three Phase | HV Battery | 2 MPPTs



PV Side		TCB3-4	TCB3-5	TCB3-6	TCB3-8	TCB3-10	TCB3-12
Max. PV Array Power	[kWp]	6.4	8	9.6	10.4	16	19.2
Max. PV Input Voltage *	[V]	1000*					
Rated PV Input Voltage	[V]	620					
Start-up Voltage	[V]	135					
MPPT Operating Voltage Range *	[V]	120-950*	120-950*	120-950*	200-950*	200-950*	200-950*
No. of MPP Trackers		2	2	2	2	2	2
No. of Strings per MPPT		1/1	1/1	1/1	1/1	1/1	1/1
Max. Input Current per MPPT	[A]	15/15	15/15	15/15	15/15	15/15	15/15
Max. Short-circuit Current per MPPT	[A]	20/20	20/20	20/20	20/20	20/20	20/20
Battery Side							
Battery Type		Lithium-lion					
Battery Voltage Range	[V]	135-750					
No. of Battery Input		1					
Max. Charge/Discharge Current	[A]	25/25					
Max. Charge/Discharge Power	[kW]	4/4	5/5	6/6	8/8	10/10	12/12
Grid Side (On-Grid)							
Rated Output Power	[kW]	4	5	6	8	10	12
Max. Output Apparent Power	[kVA]	4.4	5.5	6.6	8.8	11(1)	13.2
Rated AC Voltage	[V]	3L/N/PE; 220/380V; 230/400V; 240/415V					
Rated AC Frequency	[Hz]	50/60					
Rated Output Current	[A]	6.1/5.8/5.6	7.6/7.2/6.9	9.1/8.7/8.3	12.1/11.6/11.1	15.2/14.5/13.9	18.2/17.4/16.7
Max. Output Current	[A]	6.7	8.3	10.0	13.3	16.5(2)	20.0
Power Factor		0.8 leading ...0.8 lagging					
THDi (@Rated Power)		<3%					
Max. Input Apparent Power **	[kVA]	8.0	10.0	12.0	16.0	16.5	16.5
Rated AC Voltage	[V]	3L/N/PE; 220/380V; 230/400V; 240/415V					
Rated AC Frequency	[Hz]	50/60					
Max. AC Input Current	[A]	12.2	15.2	18.2	24.4	25.0	25.0
Back-up Side (Off-Grid)							
Rated Output Power	[kW]	4	5	6	8	10	12
Peak Output Apparent Power	[kVA]	9@10s	9@10s	9@10s	18@10s	18@10s	18@10s
Rated Output Voltage	[V]	3L/N/PE; 220/380V; 230/400V; 240/415V					
Rated Output Frequency	[Hz]	50/60					
Rated Output Current	[A]	6.1/5.8/5.6	7.6/7.2/6.9	9.1/8.7/8.3	12.1/11.6/11.1	15.2/14.5/13.9	18.2/17.4/16.7
On/Off-grid Switching Time	[ms]	<10ms					
THDv (@Linear Load)		<3%					
Efficiency							
MPPT Efficiency		99.90%	99.90%	99.90%	99.90%	99.90%	99.90%
Max. Efficiency		98.10%	98.10%	98.10%	98.20%	98.20%	98.20%
European Efficiency		97.30%	97.30%	97.30%	97.40%	97.40%	97.40%
Protection							
Integrated Protection		DC reverse polarity protection / Battery input reverse connection protection / Insulation resistance protection / Surge protection(DC/AC: Type II/Type II) / Over-temperature protection / Residual current protection / Islanding protection / AC over-voltage protection / Overload protection / AC short-circuit protection					
General Data							
Dimensions	[W×H×D mm]	534×418×210					
Weight	[KG]	26					
Ingress Protection		IP65					
Standby Self-consumption	[W]	<15					
Topology		Transformerless					
Operating Temperature Range	[°C]	-30~60					
Relative Humidity	[%]	0~100					
Max. Operation Altitude	[m]	3000					
Over Voltage Category		II(PV+Battery), III(Mains)					
Cooling		Natural Convection					
Noise Level	[dB]	<25					
Display		LED & OLED					
Communication		CAN, RS485					

PRSW-TCB3 10-20kW Hybrid Inverter
High performace version

TCB3-10/12/15/20K-40
Three Phase | HV Battery | 2 MPPTs



PV Side		TCB3-10-40	TCB3-12-40	TCB3-15-40	TCB3-20-40
Max. PV Array Power	[kWp]	16	19.2	24	32
Max. PV Input Voltage *	[V]	1000*			
Rated PV Input Voltage	[V]	620			
Start-up Voltage	[V]	135			
MPPT Operating Voltage Range *	[V]	200-950*	200-950*	200-950*	200-950*
No. of MPP Trackers		2	2	2	2
No. of Strings per MPPT		2/2	2/2	2/2	2/2
Max. Input Current per MPPT	[A]	30/30	30/30	30/30	30/30
Max. Short-circuit Current per MPPT	[A]	40/40	40/40	40/40	40/40
Battery Side					
Battery Type		Lithium-Iion			
Battery Voltage Range	[V]	135-750			
No. of Battery Input		1			
Max. Charge/Discharge Current	[A]	40/40			
Max. Charge/Discharge Power	[kW]	10/10	12/12	15/15	20/20
Grid Side (On-Grid)					
Rated Output Power	[kW]	10	12	15	20
Max. Output Apparent Power	[kVA]	11(1)	13.2	16.5	22.0
Rated AC Voltage	[V]	3L/N/PE; 220/380V; 230/400V; 240/415V			
Rated AC Frequency	[Hz]	50/60			
Rated Output Current	[A]	15.2/14.5/13.9	18.2/17.4/16.7	22.7/21.7/20.8	30.3/29/27.8
Max. Output Current	[A]	16.5(2)	20.0	25.0	33.5
Power Factor		0.8 leading ...0.8 lagging			
THDi (@Rated Power)		<3%			
Max. Input Apparent Power **	[kVA]	20.0	24.0	30.0	30.0
Rated AC Voltage	[V]	3L/N/PE; 220/380V; 230/400V; 240/415V			
Rated AC Frequency	[Hz]	50/60			
Max. AC Input Current	[A]	30.4	36.4	45.4	45.4
Back-up Side (Off-Grid)					
Rated Output Power	[kW]	10	12	15	20
Peak Output Apparent Power	[kVA]	18@10s	18@10s	24@10s	24@10s
Rated Output Voltage	[V]	3L/N/PE; 220/380V; 230/400V; 240/415V			
Rated Output Frequency	[Hz]	50/60			
Rated Output Current	[A]	15.2/14.5/13.9	18.2/17.4/16.7	22.7/21.7/20.8	30.3/29/27.8
On/Off-grid Switching Time	[ms]	<10ms			
THDv (@Linear Load)		<3%			
Efficiency					
MPPT Efficiency		99.90%			
Max. Efficiency		98.40%			
European Efficiency		97.50%			
Protection					
Integrated Protection		DC reverse polarity protection / Battery input reverse connection protection / Insulation resistance protection / Surge protection(DC/AC: Type II/Type II) / Over-temperature protection / Residual current protection / Islanding protection / AC over-voltage protection / Overload protection / AC short-circuit protection			
General Data					
Dimensions	[W×H×D mm]	534×418×210			
Weight	[KG]	28	28	31	31
Ingress Protection		IP65			
Standby Self-consumption	[W]	<15			
Topology		Transformerless			
Operating Temperature Range	[°C]	-30~60			
Relative Humidity	[%]	0~100			
Max. Operation Altitude	[m]	3000			
Over Voltage Category		II(PV+Battery), III(Mains)			
Cooling		Smart Fan			
Noise Level	[dB]	<40			
Display		LED & OLED			
Communication		CAN, RS485			

PRSW-TCB3 25-50kW Hybrid Inverter

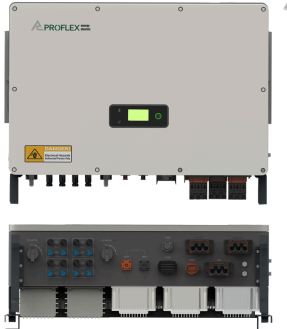
TCB3-25/30/36/40/50K-100
Three Phase | HV Battery | 4 MPPTs



		TCB3-25	TCB3-30	TCB3-36	TCB3-40	TCB3-50
PV Side						
Max. PV Array Power	[kWp]	40	48	57.6	64	80
Max. PV Input Voltage *	[V]	1000*				
Rated PV Input Voltage	[V]	620				
Start-up Voltage	[V]	135				
MPPT Operating Voltage Range *	[V]	200-850*	200-850*	200-850*	200-850*	200-850*
No. of MPP Trackers		4	4	4	4	4
No. of Strings per MPPT		2/2/2/2	2/2/2/2	2/2/2/2	2/2/2/2	2/2/2/2
Max. Input Current per MPPT	[A]	30/30/30/30	30/30/30/30	30/30/30/30	30/30/30/30	30/30/30/30
Max. Short-circuit Current per MPPT	[A]	40/40/40/40	40/40/40/40	40/40/40/40	40/40/40/40	40/40/40/40
Battery Side						
Battery Type		Lithium-lion				
Battery Voltage Range	[V]	135-750				
No. of Battery Input		1				
Max. Charge/Discharge Current	[A]	100/100				
Max. Charge/Discharge Power	[kW]	25/25	30/30	36/36	40/40	50/50
Grid Side (On-Grid)						
Rated Output Power	[kW]	25.0	30.0	36.0	40.0	50.0
Max. Output Apparent Power	[kVA]	27.5	33(1)	39.6	44.0	55.0
Rated AC Voltage	[V]	3L/N/PE; 220/380V; 230/400V; 240/415V				
Rated AC Frequency	[Hz]	50/60				
Rated Output Current	[A]	37.9/36.2/34.7	45.5/43.5/41.7	54.5/52.1/50	60.6/58/55.6	75.8/72.5/69.4
Max. Output Current	[A]	42.0	50(2)	60.0	66.0	83.0
Power Factor		0.8 leading ...0.8 lagging				
THDi (@Rated Power)		<3%				
Max. Input Apparent Power **	[kVA]	30.0	36.0	43.5	48.0	60.0
Rated AC Voltage	[V]	3L/N/PE; 220/380V; 230/400V; 240/415V				
Rated AC Frequency	[Hz]	50/60				
Max. AC Input Current	[A]	45.5	54.5	65.9	72.7	90.9
Back-up Side (Off-Grid)						
Rated Output Power	[kW]	25.0	30.0	36.0	40.0	50.0
Peak Output Apparent Power	[kVA]	33.75 @10s	40.5 @10s	48.6 @10s	54 @10s	67.5 @10s
Rated Output Voltage	[V]	3L/N/PE; 220/380V; 230/400V; 240/415V				
Rated Output Frequency	[Hz]	50/60				
Rated Output Current	[A]	37.9/36.2/34.7	45.5/43.5/41.7	54.5/52.1/50	60.6/58/55.6	75.8/72.5/69.4
On/Off-grid Switching Time	[ms]	<10ms				
THDv (@Linear Load)		<3%				
Generator Side						
Max. Input Apparent Power	[kVA]	30	36	43.5	48	60
Rated Input Voltage	[V]	3L/N/PE; 220/380V; 230/400V; 240/415V				
Rated Input Frequency	[Hz]	50/60				
Max. Input Current	[A]	45.5	54.5	65.9	72.7	90.9
Efficiency						
MPPT Efficiency		99.90%				
Max. Efficiency		98.80%				
European Efficiency		98.30%				
Protection						
Integrated Protection		DC reverse polarity protection / Battery input reverse connection protection / Insulation resistance protection / Surge protection(DC/AC: Type II/Type II) / Over-temperature protection / Residual current protection / Islanding protection / AC over-voltage protection / Overload protection / AC short-circuit protection				
General Data						
Dimensions	[W×H×D mm]	800*620*300				
Weight	[KG]	72				
Ingress Protection		IP65				
Standby Self-consumption	[W]	<40				
Topology		Transformerless				
Operating Temperature Range	[°C]	-30~60				
Relative Humidity	[%]	0~100				
Max. Operation Altitude	[m]	3000				
Over Voltage Category		II(PV+Battery), III(Mains)				
Cooling		Smart Fan				
Noise Level	[dB]	<65				
Display		LED & OLED				
Communication		CAN, RS485				

PRSW-TCB3 25-50kW Hybrid Inverter
High performace version

TCB3-25/30/36/40/50K-150
Three Phase | HV Battery | 4 MPPTs



PV Side		TCB3-25-150	TCB3-30-150	TCB3-36-150	TCB3-40-150	TCB3-50-150
Max. PV Array Power	[kWp]	50	60	60	80	100
Max. PV Input Voltage *	[V]	1000*				
Rated PV Input Voltage	[V]	620				
Start-up Voltage	[V]	135				
MPPT Operating Voltage Range *	[V]	200-950*	200-950*	200-950*	200-950*	200-950*
No. of MPP Trackers		4	4	4	4	4
No. of Strings per MPPT		2/2/2/2	2/2/2/2	2/2/2/2	2/2/2/2	2/2/2/2
Max. Input Current per MPPT	[A]	40/40/40/40	40/40/40/40	40/40/40/40	40/40/40/40	40/40/40/40
Max. Short-circuit Current per MPPT	[A]	50/50/50/50	50/50/50/50	50/50/50/50	50/50/50/50	50/50/50/50
Battery Side						
Battery Type		Lithium-lion				
Battery Voltage Range	[V]	150-840				
No. of Battery Input		1				
Max. Charge/Discharge Current	[A]	150/150				
Max. Charge/Discharge Power	[kW]	25/25	30/30	30/30	40/40	50/50
Grid Side (On-Grid)						
Rated Output Power	[kW]	25.0	29.9	30.0	40.0	50.0
Max. Output Apparent Power	[kVA]	25.0	29.9	30.0	40.0	50.0
Rated AC Voltage	[V]	3L/N/PE; 220/380V; 230/400V; 240/415V				
Rated AC Frequency	[Hz]	50/60				
Rated Output Current	[A]	37.9/36.2/34.7	45.3/43.3/41.5	45.5/43.5/41.7	60.6/58/55.6	75.8/72.5/69.4
Max. Output Current	[A]	37.9	45.3	45.5	60.6	75.8
Power Factor		0.8 leading ...0.8 lagging				
THDi (@Rated Power)		<3%				
Max. Input Apparent Power **	[kVA]	50.0	59.8	60.0	80.0	80.0
Rated AC Voltage	[V]	3L/N/PE; 220/380V; 230/400V; 240/415V				
Rated AC Frequency	[Hz]	50/60				
Max. AC Input Current	[A]	75.8	90.6	90.9	121.2	121.2
Back-up Side (Off-Grid)						
Rated Output Power	[kW]	25.0	29.9	30.0	40.0	50.0
Peak Output Apparent Power	[kVA]	37.5 @10s	45 @10s	45 @10s	60 @10s	75 @10s
Rated Output Voltage	[V]	3L/N/PE; 220/380V; 230/400V; 240/415V				
Rated Output Frequency	[Hz]	50/60				
Rated Output Current	[A]	37.9/36.2/34.7	45.3/43.3/41.5	45.5/43.5/41.7	60.6/58/55.6	75.8/72.5/69.4
On/Off-grid Switching Time	[ms]	<10ms				
THDv (@Linear Load)		<3%				
Generator Side						
Max. Input Apparent Power	[kVA]	25	29.9	30	40	50
Rated Input Voltage	[V]	3L/N/PE; 220/380V; 230/400V; 240/415V				
Rated Input Frequency	[Hz]	50/60				
Max. Input Current	[A]	37.9	45.3	45.5	60.6	75.8
Efficiency						
MPPT Efficiency		99.90%				
Max. Efficiency		97.80%				
European Efficiency		97.20%				
Max. Battery to AC Efficiency		98.50%				
Max. PV to Battery Efficiency		97.50%				
Protection						
Integrated Protection		DC reverse polarity protection / Battery input reverse connection protection / Insulation resistance protection / Surge protection(DC/AC: Type II/Type II) / Over-temperature protection / Residual current protection / Islanding protection / AC over-voltage protection / Overload protection / AC short-circuit protection				
General Data						
Dimensions	[W×H×D mm]	919*739*305				
Weight	[KG]	89				
Ingress Protection		IP66				
Standby Self-consumption	[W]	<40				
Topology		Transformerless				
Operating Temperature Range	[°C]	-30~60				
Relative Humidity	[%]	0~100				
Max. Operation Altitude	[m]	3000				
Over Voltage Category		II(PV+Battery), III(Mains)				
Cooling		Smart Fan				
Noise Level	[dB]	<65				
Display		LED & OLED				
Communication		CAN, RS485				



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