Inspiration - S5

The product of Inspiration Series adopts integrated design, integrated installation, protection level up to IP65, mainly used for household photovoltaic system. It integrates a hybrid inverter and LFP battery pack. The battery pack has a modular, expandable design, enabling flexible power configuration, and the hybrid inverter power supports 5kW*N. The product supports power grid, photovoltaic and battery access at the same time, and has the function of off-grid operation.



Flexible Expansion

On-demand configuration, flexible module expansion can configure your system power according to your needs.

All-in-one Design

The internal integrated single-phase inverter is more coordinated and unified. There is no need to configure a third-party inverter, which is convenient and efficient.

Smart Balancing

Built-in balance circuit will greatly improve the consistency of the battery and extend your lifespan.

Real-time Monitoring and Control

Monitoring the battery operation status (Voltage, Current Temperature, SOC etc.) in real time.

Inspiration - S5

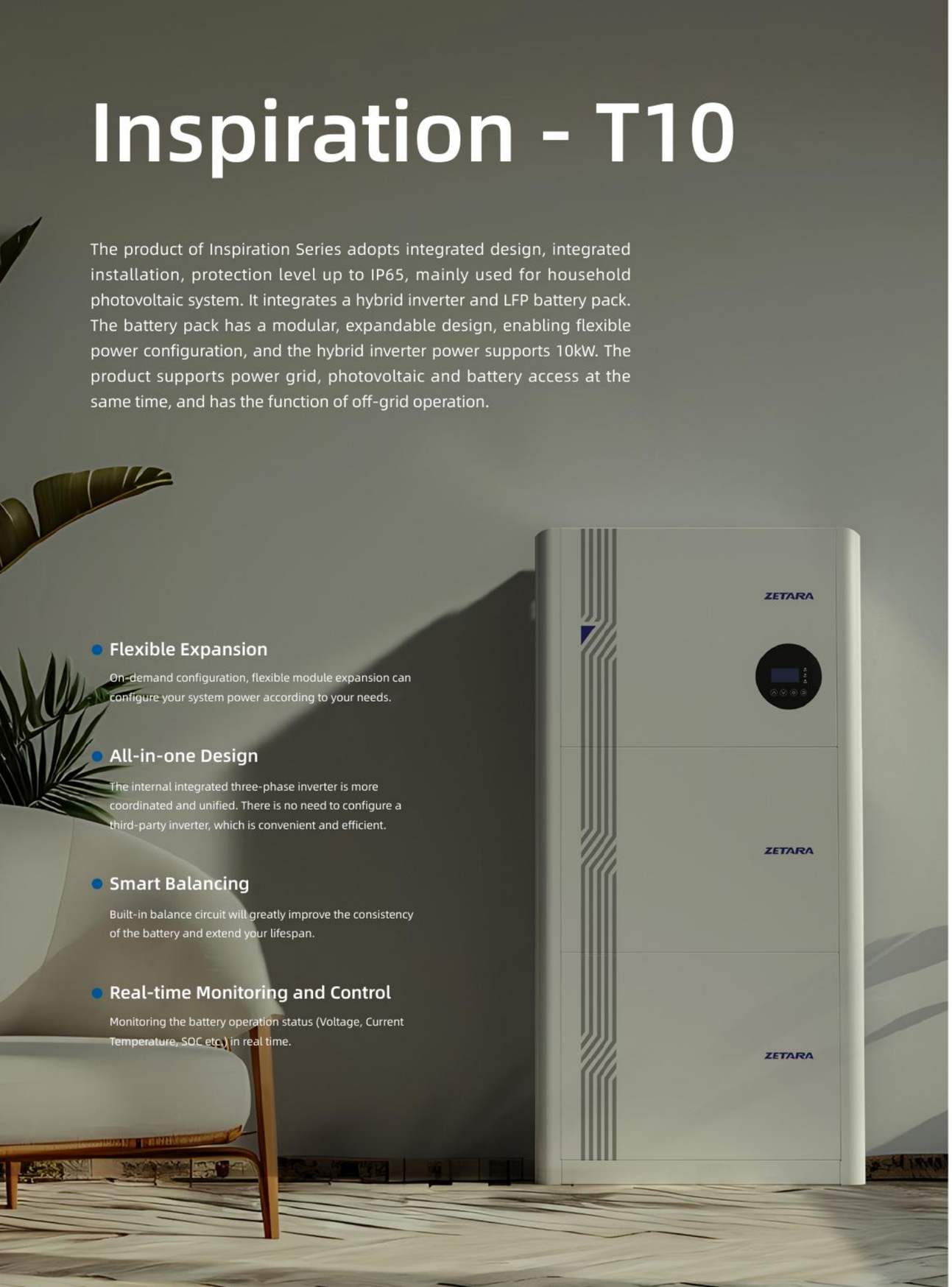
			
Name	Inverter	Battery Module	Battery Base
Dimension:W*D*H (mm)	674*195*455	674*170*420	674*170*50
Weight (kg)	28	55	2.25

Type/Parameter	Inspiration-S5
Input DC (PV side)	
Recommended Max. PV Power	10000W
Max. PV Input Voltage	580 V
Rated Voltage	360 V
Start-up Voltage	90 V
MPPT Voltage Range	100 ~ 550 V
Max. Input Current Per MPPT	15 A
Max. Short Circuit Current Per MPPT	18.75 A
MPPT Number	2
Max Input Strings Number Per MPPT	1
Output AC (Back-up)	
Rated Output Power	5 kW
Max Apparent Output Power	10 kVA
Back-up Switch Time	<20 ms
Rated Output Voltage	L/N/PE, 230V
Rated Frequency	50/60 Hz
Rated Output Current	21.7 A
Max. Output Current	22.7 A
THDv(@linear load)	< 3%
Input AC (Grid side)	
Max. Input Power	10 kW
Max. Input current	43.5 A
Output AC(Grid side)	
Rated Output Power	5 kW
Max. Apparent Output Power	5 kVA
Operation Phase	Single phase
Rated Grid Voltage	L/N/PE, 230V
Grid Voltage Range	170 ~ 270 V
Rated Grid Frequency	50 / 60 Hz
Rating Grid Output Current	21.7 A
Power Factor	0.8 Leading - 0.8 Lagging
THDI	< 3%

Efficiency	
Max Efficiency	>97 %
EU Efficiency	>96.2 %
System Parameter	
Dimensions (mm)	674*195*1345
Operation Temperature Range	-25~+60℃ (derating above 45℃)
Storage Temperature	-40~+60℃
Storage RH	5%~95% (non condensing)
Max. Operation Altitude	3000m
IP	IP65
Display	LCD/APP/Website
Cooling Method	Natural Cooling
Inverter Topology	Transformerless
Installation	Floor-mount
Pack Specification	
Cell Type	LFP
Cell Configuration	16S1P
Nominal Voltage	350-435V
Nominal Energy /Module	5120Wh
System Energy	15360Wh(3 Modules)
Charge/Discharging Voltage	400(360~435)V
Charge/Discharging Current	7.5*2 A / 75*3 A
Charge/Discharging Power	3000*3W
Charge Temperature Range	0~55℃
Discharge Temperature Range	-20℃ ~ 55℃
Storage Temperature Range	-40~+60℃
Humidity	5~95%RH
Cooling Method	Natural Cooling
Cycle Life (Time)	≥ 6000 (80% DOD, Remaining 80%)
Communication	CAN&RS485
Max Battery Parallel Number	15
Weight	55Kg

Inspiration - T10

The product of Inspiration Series adopts integrated design, integrated installation, protection level up to IP65, mainly used for household photovoltaic system. It integrates a hybrid inverter and LFP battery pack. The battery pack has a modular, expandable design, enabling flexible power configuration, and the hybrid inverter power supports 10kW. The product supports power grid, photovoltaic and battery access at the same time, and has the function of off-grid operation.



Flexible Expansion

On-demand configuration, flexible module expansion can configure your system power according to your needs.

All-in-one Design

The internal integrated three-phase inverter is more coordinated and unified. There is no need to configure a third-party inverter, which is convenient and efficient.

Smart Balancing

Built-in balance circuit will greatly improve the consistency of the battery and extend your lifespan.

Real-time Monitoring and Control

Monitoring the battery operation status (Voltage, Current Temperature, SOC etc.) in real time.

Inspiration - T10

			
Name	Inverter	Battery Module	Battery Base
Dimension:W*D*H (mm)	674*215*455	674*170*420	674*170*50
Weight (kg)	29	55	2.25

Type/Parameter	Inspiration-T10
Input DC (PV side)	
Recommended Max. PV power	20000W
Max. PV Input Voltage	1100 V
Rated Voltage	720 V
Start-up Voltage	85 V
MPPT Voltage Range	140 ~ 950 V
Max. Input Current Per MPPT	16 A / 16 A / 16 A
Max. Short Circuit Current Per MPPT	24 A / 24 A / 24 A
MPPT Number	3
Max Input Strings Number Per MPPT	1
Output AC (Back-up)	
Rated Output Power	10 kW
Max Apparent Output Power	10 kVA
Back-up Switch Time	<20 ms
Rated Output Voltage	3L/N/PE，380/400V
Rated Frequency	50/60 Hz
Rated Output Current	14.5 A
THDv(@linear load)	<3%
Input AC (Grid side)	
Max. Input Power	20 kW
Max. Input Current	29 A
Output AC(Grid side)	
Rated Output Power	10 kW
Max. Apparent Output Power	11 kVA
Operation Phase	Three phase
Rated Grid Voltage	3L/N/PE，380/400V
Grid Voltage Range	150 ~ 288 V
Rated Grid Frequency	50 / 60 Hz
Rating Grid Output Current	14.5 A
Power Factor	>0.99 (0.8 leading to 0.8 lagging)
THDI	< 3%

Efficiency	
Max Efficiency	>98 %
EU Efficiency	>97.5%
System Parameter	
Dimensions	674*215*1765mm
Operation Temperature Range	-25~+60℃
Storage Temperature	-40~+60℃
Storage RH	5%~95% (non condensing)
Max. Operation Altitude	3000m
IP	IP65
Display	LCD/APP/Website
Cooling Method	Natural Cooling
Inverter Topology	Transformerless
Installation	Floor-mount
Pack Specification	
Cell Type	LFP
Cell Configuration	16S1P
Nominal Voltage	350-435V
Nominal Energy /Module	5120Wh
System Energy	15360Wh(3 Modules)
Charge/Discharging Voltage	400(360~435)V
Charge/Discharging Current	7.5*2 A / 75*3 A
Charge/Discharging Power	3000*3W
Charge Temperature Range	0~55℃
Discharge Temperature Range	-20℃ ~ 55℃
Storage Temperature Range	-40~+60℃
Humidity	5~95%RH
Cooling Method	Natural Cooling
Cycle Life (Time)	≥ 6000 (80% DOD, Remaining 80%)
Communication	CAN&RS485
Max Battery Parallel Number	15
Weight	55Kg