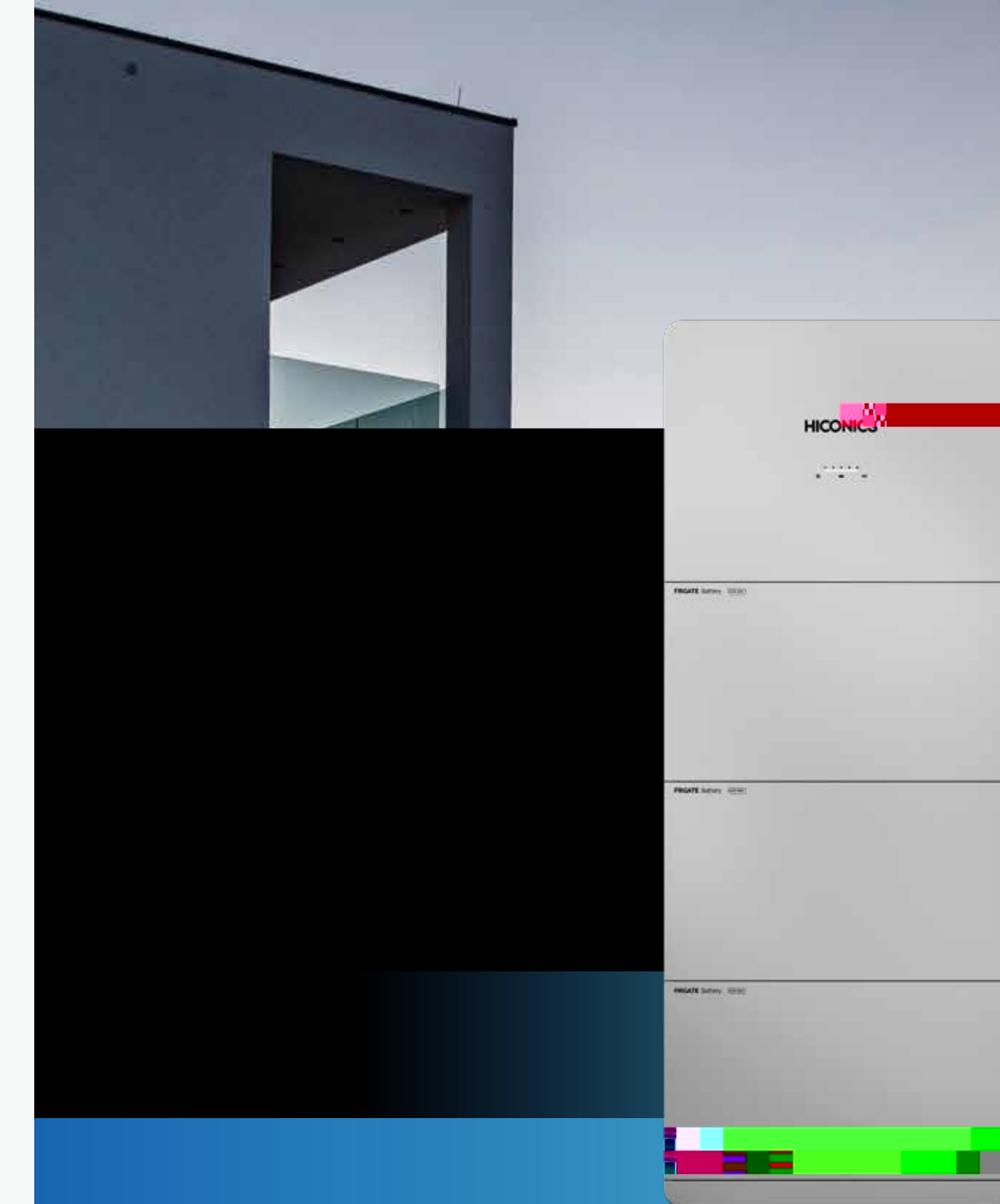


Ingress protection	IP66	
Protection class	Class I	
Pollution degree	PD3	
Over voltage category	(MAINS), II (DC)	
Operating temperature [°C]	-20~+60(derating at +45)	
Max. operating altitude [m]	<3000	
Humidity	0-100%, No Condensing	
Storage temperature [°C]	-40~+70	
Typical noise [dBA]	<30	<50
Communication with BMS	CAN	
Communication with Meter	RS485	
Self-consumption [W]	<25	
User Interface	LED,APP (LCD Optional)	
Warranty [y]	10	
Dimension (W*H*D) [mm]	700*520*240	
Weight [KG]	36.0	
Cooling Concept	Natural Convection	Smart air cooling
Topology	Non-isolated	
Communication interfaces	Meter/CT,CAN,RS485,WIFI(External)	
HMI	APP	
PV connector	MC4 (4-6mm2)	
AC connector	Quick Plug	
Battery connector	Quick Plug	
Certification	IEC/EN 62109-1&2, IEC 62477-1, IEC 61000-6-1/2/3/4,IEC62920,IEC 61000-4-16/18/29, IEC 60529,IEC 60068, IEC 61683,EN50530, CEI 0-21,VDE4105, ISO 13849, IEC62443	

Battery Pack	5KWh Battery Pack	10KWh Battery Pack	15KWh Battery Pack	20KWh Battery Pack
Component	Base+1 Module	Base+2 Module	Base+3 Module	Base+4 Module
Nominal Battery Capacity [kWh]	5.12	10.24	15.36	20.48
Available Battery Capacity [kWh]	4.76	9.52	14.28	19.05
Nominal Battery Capacity [Ah]	100			
Nominal Voltage [V]	230			
Nominal Charge Current [A]	20			
Nominal Discharge Current [A]	20			
Communication	CAN			
User Interface	LED			
Ingress Protection	NEMA 4X			
Cooling Concept	Natural Convection			
Operating Temperature	-20°C ~ 55°C (For Both Charging & Discharging)			
Storage Temperature	-20°C ~ 55°C			
Humidity	5% ~ 95%			
Altitude	2000			
Cycle Life	6000			
Warranty [y]	10			
Dimensions [mm]	710×430×170	710×800×170	710×1170×170	710×1540×170
Weight [K]	54	104	154	204

Battery Pack	20KWh Battery Pack - Parallel	25KWh Battery Pack - Parallel	30KWh Battery Pack - Parallel	35KWh Battery Pack - Parallel	40KWh Battery Pack - Parallel
Component	2*Base+4*Modules	2*Base+5*Modules	2*Base+6*Modules	2*Base+7*Modules	2*Base+8*Modules
Nominal Battery Capacity [kWh]	20.48	25.6	30.72	35.84	40.96
Available Battery Capacity [kWh]	19.05	23.81	28.57	33.32	38.08
Nominal Battery Capacity [Ah]	100				
Nominal Voltage [V]	230				
Nominal Charge Current [A]	20				
Nominal Discharge Current [A]	20				
Communication	CAN				
User Interface	LED				
Ingress Protection	NEMA 4X				
Cooling Concept	Natural Convection				
Operating Temperature	-20°C ~ 55°C (For Both Charging & Discharging)				
Storage Temperature	-20°C ~ 55°C				
Humidity	5% ~ 95%				
Altitude	2000				
Cycle Life	6000				
Warranty [y]	10				
Dimensions [mm]	710× (850+800) ×170	710× (850+1170) ×170	710× (1220+1170) ×170	710× (1590+1170) ×170	710× (1960+1170) ×170
Weight [K]	104+104	104+154	154+154	204+154	254+154





**ODM VALUE CHAIN**  
A REPEATABLE PATH FOR EXCELLENCE IN QUALITY DELIVERY

4

Research Institutes

R&D Centers

Masters & PhDs

Core Laboratory

Aesthetics & Design Center

27.6

Procurement Volume

Supplier System

Quality Sampling

Supplier Resources

50

Years Manufacturing Experience

Global Manufacture Centers

Inhouse Production Lines

GMP Cleanroom

Lighthouse / Digital Factory

130

Dollars Investment

in Industry to Conduct:

Cooperative Sightings Lab

Certificates

**SUPERIOR PERFORMANCE**

- DC Input Current Up to 20A
- Up to 200% PV Input Power
- Up to 25A EPS Output Current
- Shadow Scan For Optimal Production

**FLEXIBLE APPLICATION**

- Smart Swap Battery
- AC Couple, 6-Period TOU & Peak Shaving Functionality
- String Monitoring & IV Curve Diagnosis
- Installation < 15 min & Commissioning < 5 min

**INTEGRATED CONTROL**

- <10ms On-Grid to Off-Grid Transition
- Up to 6 PCS Parallel Operation
- VPP Ready for Various Application
- Smart Midea Heat Pump Control

**TRUSTED RELIABILITY**

- ISO 13849 Function Safety & IEC 62443 Cyber Security
- 8 Level Cell Safety Protection
- IP66 Design for Outdoor Application
- AFCI Integrated for Higher Safety