Midea | HICONICS

Ingress protection	IP66	
Protection class	Class Ⅰ	
Pollution degree	PD3	
Over voltage category	(MAINS), Ⅱ(DC)	
O ati t atu a [℃]	-20~+60(derating at +45)	
Max. ati altitud [ ]	<3000	
Humidty	0-100%, No Condensing	
St a t atu [℃]	-40~+70	
Ty i al i i i [dBA]	<30	<50
Communication with BMS	CAN	
Communication with Meter	RS485	
S lf- u ti at i ht [W]	<25	
User Interface	LED,APP（LCD Optional）	
Wa a ty[Y a]	10	
Dimension（W*H*D）[ ]	700*520*240	
W i ht[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	
Battey 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
N i al Batt y Pa k E y[KWh]	5.12	10.24	15.36	20.48
Availabl Batt y Pa k E y[KWh]	4.76	9.52	14.28	19.05
N i al Batt y C ll Ca a ity[Ah]	100			
N i al V lta [V]	230			
N i al Cha i Cu t[A]	20			
N i al Di ha i Cu t[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			
Wa a ty[Y a]	10			
Di i [ ]	710×430×170	710×800×170	710×1170×170	710×1540×170
W i ht[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
N i al Batt y Pa k E y[KWh]	20.48	25.6	30.72	35.84	40.96
Availabl Batt y Pa k E y[KWh]	19.05	23.81	28.57	33.32	38.08
N i al Batt y C ll Ca a ity[Ah]	100				
N i al V lta [V]	230				
N i al Cha i Cu t[A]	20				
N i al Di ha i Cu t[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				
Wa a ty[Y a]	10				
Di i [ ]	710×（850+800）×170	710×（850+1170）×170	710×（1220+1170）×170	710×（1590+1170）×170	710×（1960+1170）×170
W i ht[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

Core Laboratory

Masters & PhDs

Aesthetics & Design Center

27.6
Procurement Volume

Supplier System

Supplier Resources

Quality Sampling

50
Years Manufacturing Experience

Global Manufacture Centers

GMP Cleanroom

Inhouse Production Lines

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