

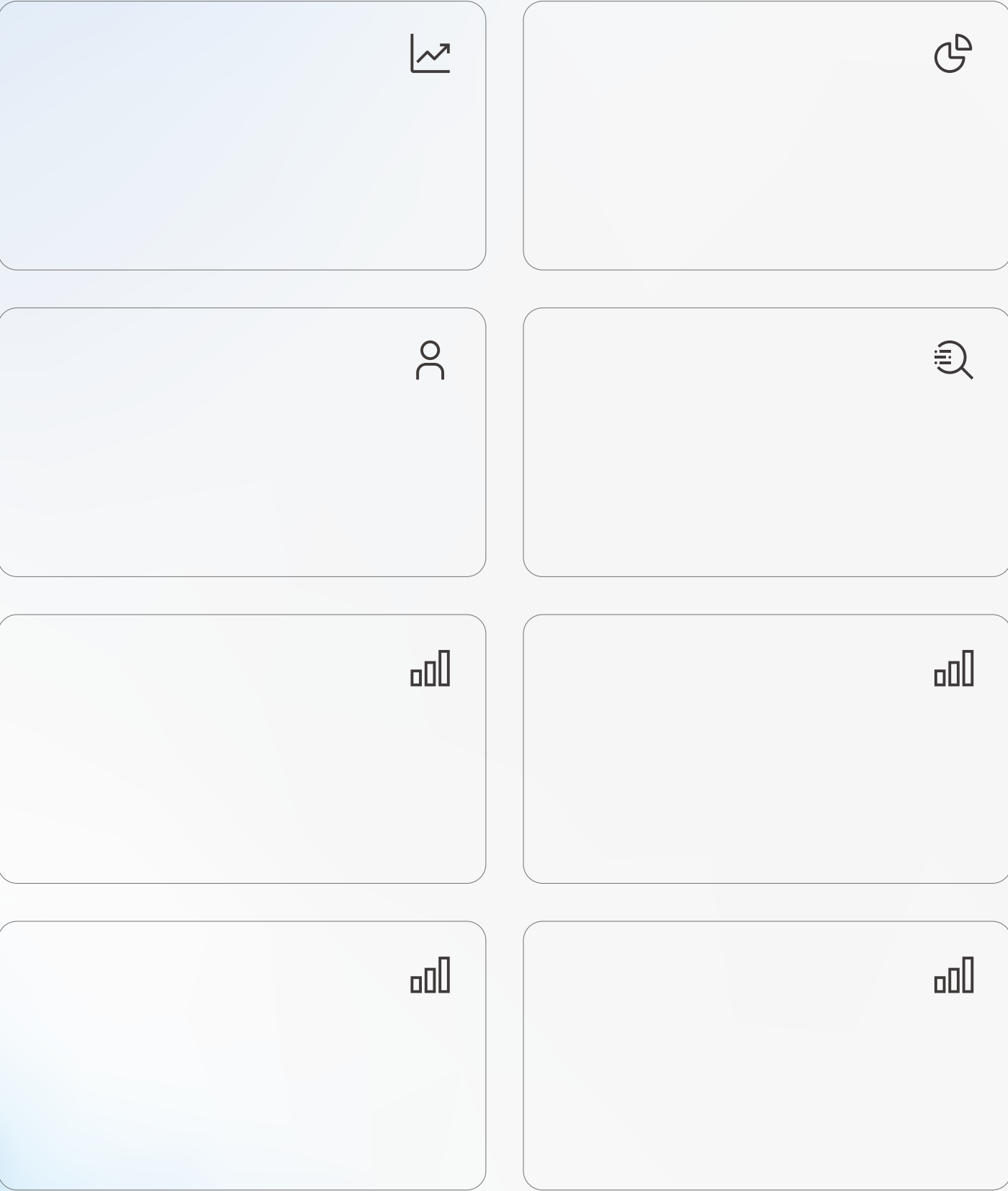
Ingress protection	IP66	
Protection class	Class I	
Pollution degree	PD3	
Over voltage category	III (MAINS), II (DC)	
Operating temperature range[°C]	-20~+60(derating at +45)	
Max. operation altitude[m]	<3000	
Humidity	0-100%, No Condensing	
Storage temperature[°C]	-40~+70	
Typical noise emission[dBA]	<30	<50
Communication with BMS	CAN	
Communication with Meter	RS485	
Self-consumption at night [W]	<25	
User Interface	LED,APP (LCD Optional)	
Warranty[Years]	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	
Batthey 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 Pack Energy[KWh]	5.12	10.24	15.36	20.48
Available Battery Pack Energy[KWh]	4.76	9.52	14.28	19.05
Nominal Battery Cell Capacity[Ah]	100			
Nominal Voltage[V]	230			
Nominal Charging Current[A]	20			
Nominal Discharging 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[Years]	10			
Dimension[mm]	710×430×170	710×800×170	710×1170×170	710×1540×170
Weight[Kg]	54	104	154	204

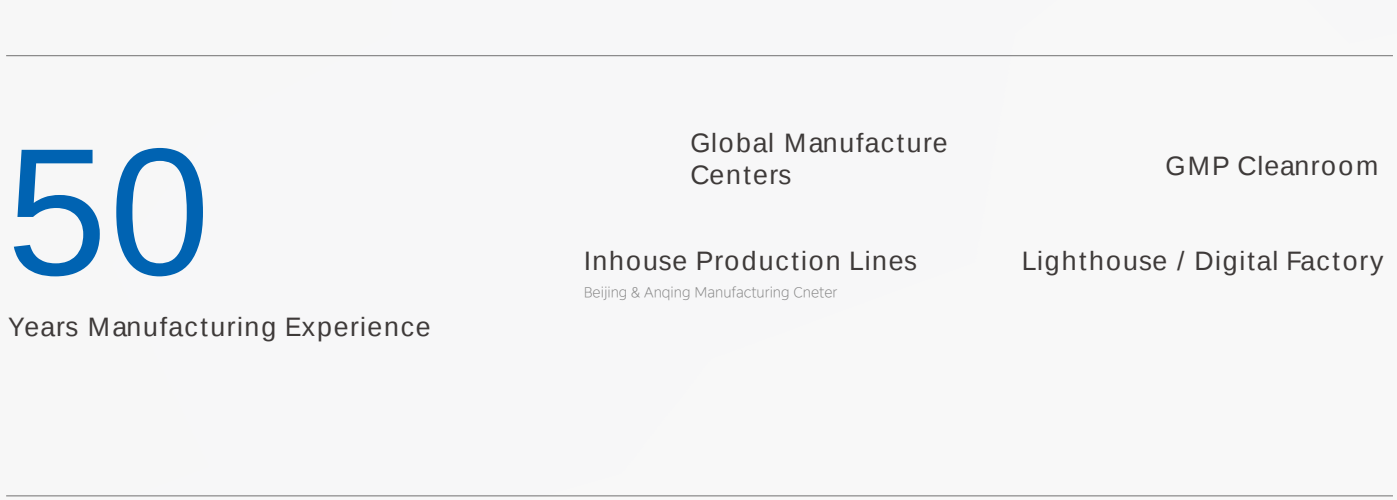
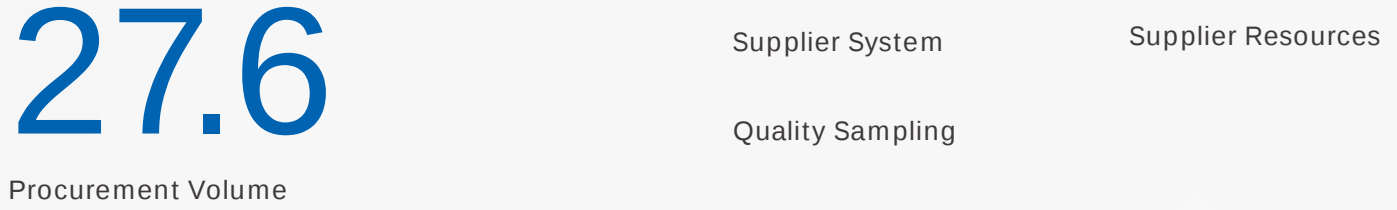
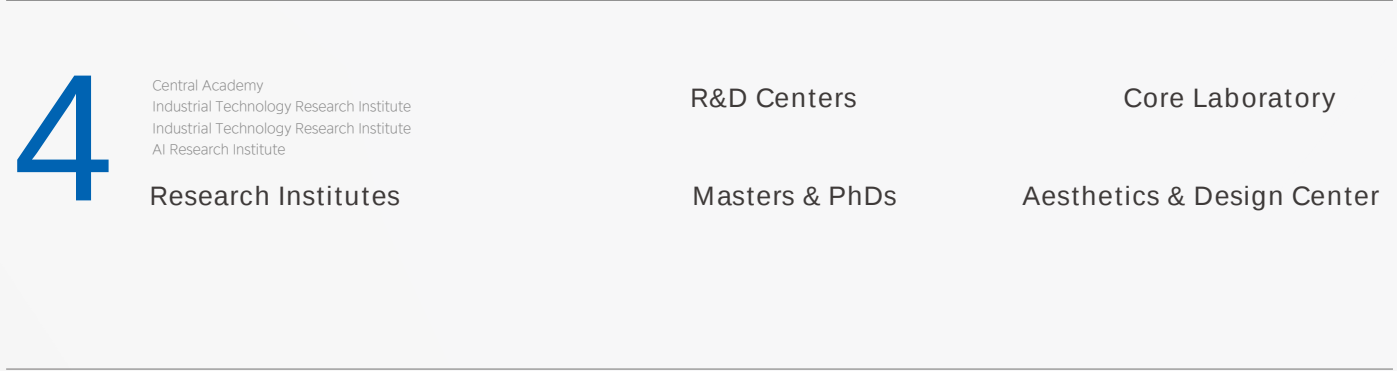
Battery Pack	20KWh Battery Pack - Parallel	25KWh Battery Pack - Parallel	30KWh Battery Pack - Parallel	35KWh Battery Pack - Parallel	40KWh Battery Pack - Parallel
Component	2*Base+4*Modules	2*Base+5*Modules	2*Base+6*Modules	2*Base+7*Modules	2*Base+8*Modules
Nominal Battery Pack Energy[KWh]	20.48	25.6	30.72	35.84	40.96
Available Battery Pack Energy[KWh]	19.05	23.81	28.57	33.32	38.08
Nominal Battery Cell Capacity[Ah]	100				
Nominal Voltage[V]	230				
Nominal Charging Current[A]	20				
Nominal Discharging 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[Years]	10				
Dimension[mm]	710× (850+800) ×170	710× (850+1170) ×170	710× (1220+1170) ×170	710× (1590+1170) ×170	710× (1960+1170) ×170
Weight[Kg]	104+104	104+154	154+154	204+154	254+154





ODM VALUE CHAIN

A REPEATABLE PATH FOR EXCELLENCE IN QUALITY DELIVERY



- 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

PRODUCT PARAMETER

Max. PV array power[W]	10000	12000	16000	20000	20000	24000	30000
Max. open circuit voltage[V]							
Max. input current per string[A]							
Max. short circuit current per string[A]							
MPPT voltage range[V]							
Start operating voltage[V]							
No. of MPP tracks							
String per MPP tracker							
Battery type							
	5000	6000	8000	10000	10000	12000	15000
	25	25	25	37	37	37	50
	10000	12000	16000	20000	20000	24000	30000
	10000	12000	16000	20000	20000	24000	30000
	15.2	18.2	24.3	30.4	30.4	36.5	43
	15.2	18.2	24.3	30.4	30.4	36.5	43
	5000	6000	8000	10000	10000	12000	15000
	5500	6600	8800	11000	10000	13200	16500
	5000	6000	8000	10000	10000	12000	15000
	8.4	10	13.4	16.7	15.2	20	25
	7.6	9.1	12.2	15.2	15.2	18.2	22.8
	5000	6000	8000	10000	10000	12000	15000
	5000	6000	8000	10000	10000	12000	15000
	5500	6600	8800	11000	10000	13200	16500
	5500	6600	8800	11000	10000	13200	16500
	8.4	10	13.4	16.7	15.2	20	25
	7.6	9.1	12.2	15.2	15.2	18.2	22.8
	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	97.0	97.0	97.0	97.0	97.0	97.0	97.0
	97.5	97.5	97.5	97.5	97.5	97.5	97.5
	97.6(PV-BAT) 96.0(BAT-AC)	97.6(PV-BAT) 96.0(BAT-AC)	97.6(PV-BAT) 95.4(BAT-AC)	97.6(PV-BAT) 95.4(BAT-AC)	97.6(PV-BAT) 95.4(BAT-AC)	97.6(PV-BAT) 95.4(BAT-AC)	97.6(PV-BAT) 95.4(BAT-AC)