



Lower Noise
25db

Max. Efficiency
98.5%

MPPT Voltage Range
180~850V



User-friendly

Support diesel generator access
Support full power discharge
Automatic management of battery charge & discharge



Flexible

Support multiple operating modes
UPS for the important loads

	HEC1.5-T6Hr2	HEC1.5-T8Hr2	HEC1.5-T10Hr2	HEC1.5-T12Hr2	HEC1.5-T15Hr2
Model					
Ingress Protection	IP65				
Operating Temperature Range	-35~60°C				
Relative Humidity	0~100%				
Operating Altitude	4000m(Derating above 2000 m)				
Cooling	Natural Convection				
Noise Emission	≤25dB				
Installation	Wall Mounted				
EMC					
	IEC/EN 61000-6-1:2019, IEC/EN 61000-6-2:2019, IEC/EN 61000-6-3:2021, IEN/EN 61000-6-4:2019, IEC/EN 61000-3-2:2019/A1:2021, EN 61000-3-3:2013/A2:2021, IEC/EN 61000-3-11:2019, EN 61000-3-12:2011				
Grid Regulation					
	Europe: EN 50549-1:2019/AC:2019, Poland:EN50549-1:2019/Rfg:2016/NC Rfg:2018/PTPIREE:2021, Germany:VDE-AR-N 4105:2018 /DIN VDE V 0124-100(VDE V 0124-100):2020, South Africa:NRS 097-2-1:2017 Edition 2.1, UK:G99/1-6:2020, Spain:UNE217001:2020 /UNE217002:2020/NTS V2.1:2021-07, IEC61727:2004/IEC62116:2014/IEC61683:1999, Hungary:EN50549-1:2019/RFG:2016/Hungary				
Safety Regulation					
	IEC/EN62109-1:2010, IEC/EN62109-2:2011				
Interface					
HMI	LED;APP				
BMS	RS485,CAN				
Meter	RS485				
Supported Communication Interface	WIFI				

	HEC1.5-T6Hr2	HEC1.5-T8Hr2	HEC1.5-T10Hr2	HEC1.5-T12Hr2	HEC1.5-T15Hr2
Battery					
Max.Charging/Discharging Power	6600W	8800W	11000W	13200W	16500W
Battery Voltage Range	125~600V				
Max.Charging/Discharging Current	50A				
Rated.Charging/Discharging Current	40A				
Battery Type	Lithium and Lead Acid Battery				
Input DC (PV)					
Max.PV Input Power	9000W	12000W	15000W	18000W	22500W
Max. PV Voltage	1000V				
MPPT Voltage Range	180-850V				
Full Power MPPT Voltage Range	250-850V	330-850V	430-850V	510-850V	620-850V
Start-up Voltage	235V				
Max.Input Current per MPPT	13/13A	13/13A	13/13A	13/13A	20/20A
Max. Short-circuit Current	16/16A	16/16A	16/16A	16/16A	30/30A
Number of MPP Trackers	2				
MPPT Number/ Max. Input Strings Number	1/1	1/1	1/1	1/1	2/2
Rated Input Voltage	600V				
AC Output Data(On-Grid)					
Nominal Output Power to Grid	6000VA	8000VA	10000VA	12000VA	15000VA
Max. Apparent Power to Grid	6600VA	8800VA	11000VA	13200VA	16500VA
Nominal Output Current to Grid	8.7A	11.5A	14.4A	17.3A	21.7A
Max.Output Current to Grid	9.5A	12.7A	15.9A	19.1A	23.8A
Nominal Grid Voltage	3W+N+PE, 220/380 V; 230/400 V; 240/415;				
Nominal Grid Frequency	50Hz/60Hz				
THDi	<3%				
AC Output Data(Back Up)					
Nominal Output Power	6000VA	8000VA	10000VA	12000VA	15000VA
Max. Apparent Power	6600VA	8800VA	11000VA	13200VA	16500VA
Nominal Output Current	8.7A	11.5A	14.4A	17.3A	21.7A
Max.Output Current	9.5A	12.7A	15.9A	19.1A	23.8A
Nominal Output Voltage	3W+N+PE, 220/380 V; 230/400 V; 240/415;				
Nominal Output Frequency	50Hz/60Hz				
THDi	<2%				
Efficiency					
Max.Efficiency	97.9%	97.9%	98.2%	98.2%	98.5%
Europe Efficiency	97.2%	97.2%	97.5%	97.5%	97.6%
MPPT Efficiency	99.5%				
Max.Battery Charge/Discharge Efficiency	97.5%	97.5%	97.5%	97.6%	97.8%
Mechanical Parameters					
Dimensions (L*W*H)	540*220*650mm				
Weight	35kg	35kg	36kg	37kg	39kg

RESIDENTIALESS

THREE-PHASE WISDOM SOLUTION

Hiconics Three-phase ESS is an integrated battery system that stores your solar energy for backup protection. The system automatically recharges with sunlight to keep your appliances running for days and when the grid goes down your power stays on.

Make it an *affordable, tailorable & hassle-free* choice for your family.



Hiconics Eco-energy Drive Technology Co., Ltd., is a listed company founded in 2003 (stock code: 300048). We became a member of Midea Group in April 2020. Now Hiconics belongs to Midea Industrial Technology Business Group (MITBG). Up until now, Hiconics' registered capital has reached USD267 million, with 200+ patents and 1200+ employees globally.

We have our specialties in INDUSTRIAL AUTOMATION & GREEN ENERGY MANAGEMENT.

We have been dedicated to providing you with stable and innovative products, as well as sustainable power solutions in the past decades.

We are greater than just a manufacturer: we are an innovator, a solution provider, and an alliance.

1200+

Employees

200+

Related patent certifications

1.45billion

R&D investment/year

30+

Countries & regions where Hiconics products are sold to



Residential ESS

Three-phase Wisdom Solution



Hiconics Three-phase residential energy storage solution covers 6.9 ~ 69 kWh. It is available for DC-coupling, AC-coupling and hybrid-coupling connection. This range is predominantly designed for low-temperature area with higher protection requirements and achieving your maximum energy independence.

-20°C

Operation Temperature

69kWh

Max. Battery Capacity

IP65

Protection Level



Reliable

- Adopt the safest LFP battery
- Modular design, no exposed wiring
- No fear of extreme cold weather



Elegant

- Easy to scale, meeting different family needs
- Minimalist design, blending in all decoration style



Smart

- Intelligent monitoring system
- Automatic battery management system

Safety

Powered by the safest LFP cells
No toxic metals or caustic materials
Cycle life>6000 times

Handiness

No heavy metals
Modular design for quick installation
Support wall/floor mounting

High Efficiency

More usable power:
90%DOD
Less self consumption

Model	HEC2-M(S)P69r1
Nominal Voltage	96V
Operating Voltage	76.5-106.5V
Battery Type	LFP (Li-ion)
Nominal Capacity	6.9kWh
Usable Capacity	6.2kWh
Faradic Charge Efficiency	99%
Battery Roundtrip Efficiency	95%
Max Power	4.8kW
Recommend Charge/Discharge Current	36A
Max Charge/Discharge Current	50A
Cycle Life [90% DOD]	>6000 Cycles
Available Operating Temperature Range	-20 ~ 60°C
Humidity	0 ~ 95%
Altitude	Below 2000m
Protection	IP65
System to Inverter	CAN2.0 RS485
Master Control Working Mode Indicator	1 LED
Master Control Capacity Indicator	6 LED (10%, 25%, 40%, 60%, 80%,100%)
Switch ON/OFF	Button*1 + Breaker*1
Safety	CE, TUV(IEC62619), ROHS, REACH
UN Number	UN3840
Hazardous Materials Classification	Class 9
Transport Testing Requirement	UN38.3
Dimension(L*W*H)	665*540*223mm
Weight	Master battery pack: 76.5, slave battery pack: 74