

Specifications

The Meteor-18 series is a high-performance split-phase hybrid inverter with high reliability and high power density. All-in-One design ensure the multiple application scenarios compatible, including portable power station and residential power plant. Multiple built-in MPPT s maximise the yield of solar field. High frequency isolated DCDC technology ensures the safety of battery. And UPS mode function enhance the reliability of power supply for critical loads.



Special Features

All in One

- Bi-directional AC/DC
- Isolated Battery
- Stackable
- Built-in Solar MPPT
- UPS mode Operation

High Efficiency

- Peak up to 94.6%
- CEC efficiency >96.8%

High Reliability

- Short circuit withstand
- OV, OC, OP , OT

Protection.

Safety Compliance

- UL1741
- UL1998

Model	Meteor-18-1202	Meteor-18-1802
AC Input (On-grid)		
Nominal Input Apparent Power (VA)	12000	18000
Max. Input Apparent Power (VA)	12000	18000
Nominal AC Voltage (V)	120/240, L1/N/L2	120/240, L1/N/L2
Nominal Grid Frequency (Hz)	60	60
Total Harmonic Distortion	<3%	<3%
AC Output (Off-grid)		
Max. Output Apparent Power (VA)	12000	18000
Peak Output Apparent Power (VA)	24000,10s	36000,10s
Nominal AC Voltage (V)	120/240, L1/N/L2	120/240, L1/N/L2
Max. Continuous Output Current (A)	50A	75A
Total Harmonic Distortion (@linear load)	<3%	<3%
Battery Pack		
Nominal Battery Voltage (V)	48	
Voltage Range (V)	42~57	
Max. Charge Current (A)	100A	
Max. Discharge Current (A)	100A	
Number of Battery Packs	1 to 5 Stackable (5kW-25kW)	
Solar Input		
Max. Solar Input Power (W)	24000	36000
Max. Solar input Voltage (V)	600	600
Nominal Input Voltage (V)	375	375
MPPT Voltage Range (V)	150~550	150~550
Start-up Voltage (V)	150	150
MPPT Number	3	6
Max. Number of Solar String per MPPT	1	1
Max. Solar Input Current (A)	16	16
Short-circuit Current of Solar Input (A)	20	20

Efficiency		
Max. Inverter Efficiency	97.5%	
Max. Battery to Load Efficiency	94.6%	
MPPT Efficiency	99.9%	
CEC Efficiency	96.8%	
Protection		
Insulation Resistor Detection	Integrated	
Solar String Input Reverse Protection	Integrated	
Residual Current Monitoring	Integrated	
AC Over Voltage Protection	Integrated	
AC Over Current Protection	Integrated	
AC Short Current Protection	Integrated	
Over Temperature Protection	Integrated	
AFCI Protection	Integrated	
Surge Protection	Integrated	
General		
Dimension(W*H*D/mm)	800*650*280 (Inverter)	
Weight (kg)	38kg,Hybrid Inverter	45kg,Hybrid Inverter
Operation Temperature (°C)	-20 ~ +60	
Relative Humidity	5%~95%, no condensing	
Altitude (m)	≤4000	
Cooling	Smart air cooling,Hybrid Inverter System Self-cooling,Battery Module	
Protection Degree	IP65	
Noise (dB)	≤45@1m	≤55@1m
Communication	CAN, RS485,4G,Wifi ,Ethernet	
Compliance		
Safety	UL1741, UL1998	
EMC	FCC Part 15, Class B IEC 61000-6-1, IEC61000-6-3	