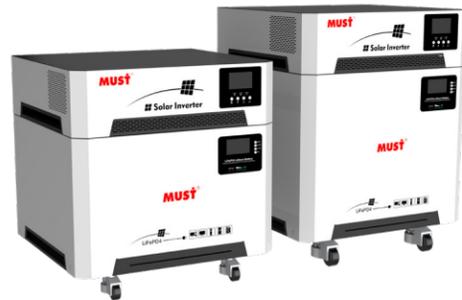


ALL-IN-ONE ESS HBP1800 HM Series

3~5.5KW | 24V/48V | 7168/14336Wh

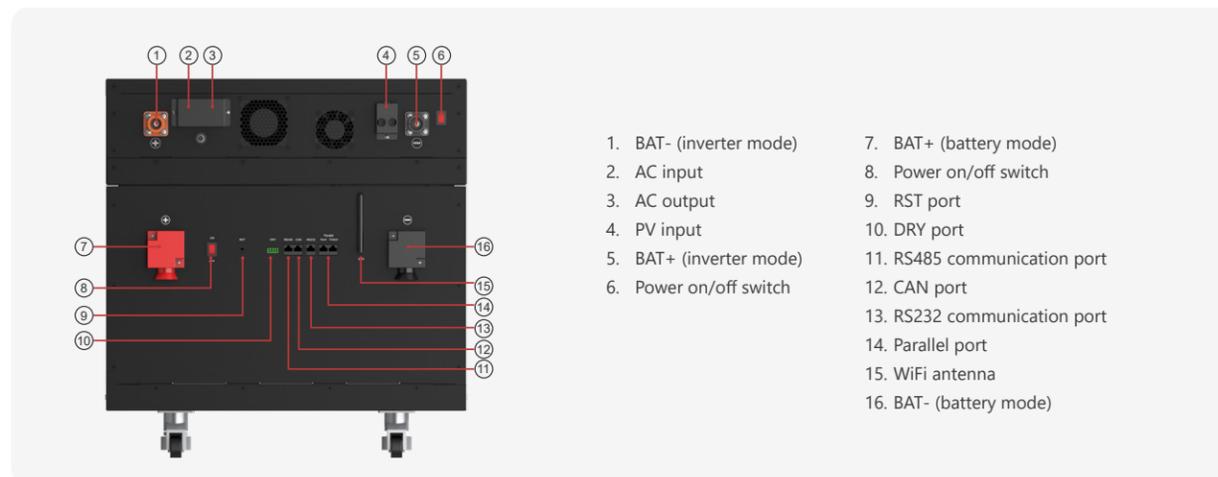


The MUST All-in-one ESS system is the ideal energy storage solution for home application easily. An inverter system is inbuilt to provide a one-stop service system, which can manage your solar home battery storage system more conveniently. The perfect emergency energy solution for villas, apartments, hotels, shopping centers.

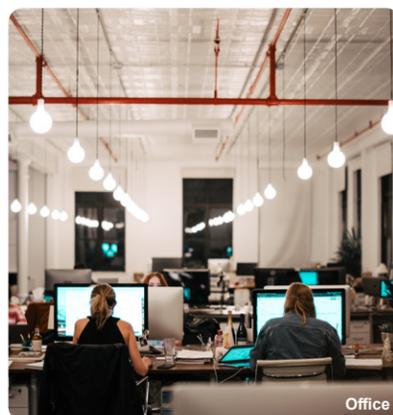


- Stacked movable energy storage systems
- Rechargeable lithium batteries use safe lithium cell LiFePO4
- The intelligent BMS system adopts the latest battery communication system
- Reduce electricity bills and increase your energy needs for electrical self-sufficiency.

Back panel description



Application



MODEL	HBP18-3024 HM	HBP18-3524 HM	HBP18-5248 HM	HBP18-5548 HM
INVERTER				
Rated power	3000W	3500W	5200W	5500W
Output voltage waveform	Pure sine wave			
Output voltage regulation	230Vac±5%			
Output frequency	50Hz or 60Hz (±0.2Hz)			
Peak efficiency	90%		93%	
Nominal DC input voltage	24Vdc	24Vdc	48Vdc	48Vdc
Standby Consumption	<25W			
PV INPUT				
Max solar power input	4000W		5000W	6000W
PV max charging current	60A	60A	80A	100A
Combined charging current	80A	80A	100A	140A
Max efficiency	98.0% max			
PV array open circuit voltage	450Vdc			
PV Array MPPT Voltage Range	150~430Vdc			
AC INPUT				
AC input voltage	230Vac ±5%			
Acceptable input voltage range	170-280VAC			
Nominal input frequency	50Hz / 60Hz (Auto detection)			
Transfer time	10ms typical (UPS, VDE); 20ms typical (APL)			
AC CHARGE				
Maximum AC charge current	80A	80A	80A	100A
Charging Algorithm	4-step (Li)			
OUTPUT				
AC output	230Vac (Terminal)			
LITHIUM BATTERY				
Energy	7168Wh		5120Wh / 10240Wh	
Nominal voltage	25.6V		51.2V	
Battery capacity	280Ah		100Ah / 200Ah	
Standard charging and discharge current	30-100A			
Maximum continuous charging & discharge current	100A	100A	100A	120A
Operation ambient temperature	-10~50°C			
Storage ambient temperature	-20~55°C			
DIMENSION				
Machine Dimension (W*H*D)(mm) (Inverter+Battery)	540*715*498			
Package Dimension (W*H*D)(mm)	Inverter	627*252*585		
	Battery	620*695*600		
N.W(kg)	Inverter	15	17	
	Battery	/	115	
G.W(kg)	Inverter	26	28	
	Battery	/	135	
Standard Warranty	Inverter: 1 year ; Lithium battery: 3 years			
CERTIFICATION & STANDARDS				
CE-EMC				