

HIGH FREQUENCY POWER INVERTER/CHARGER EP1800 PRO Series

3KW/5.2KW | 24V/48V | 230V

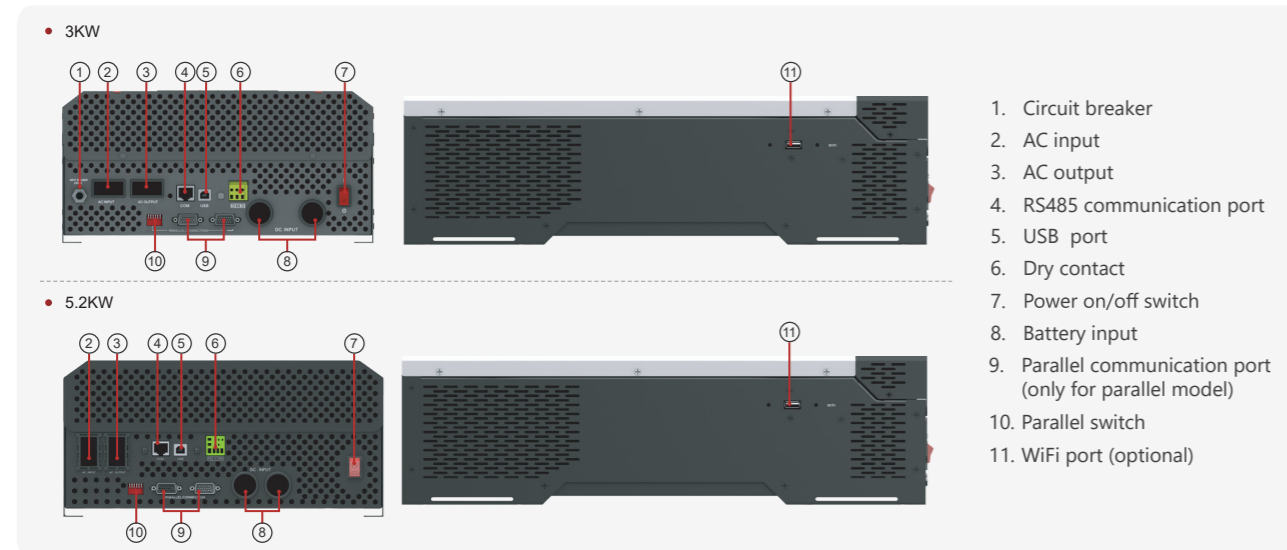


This is a multi-function inverter/charger, combining functions of inverter, battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC charger priority, and acceptable input voltage based on different applications.

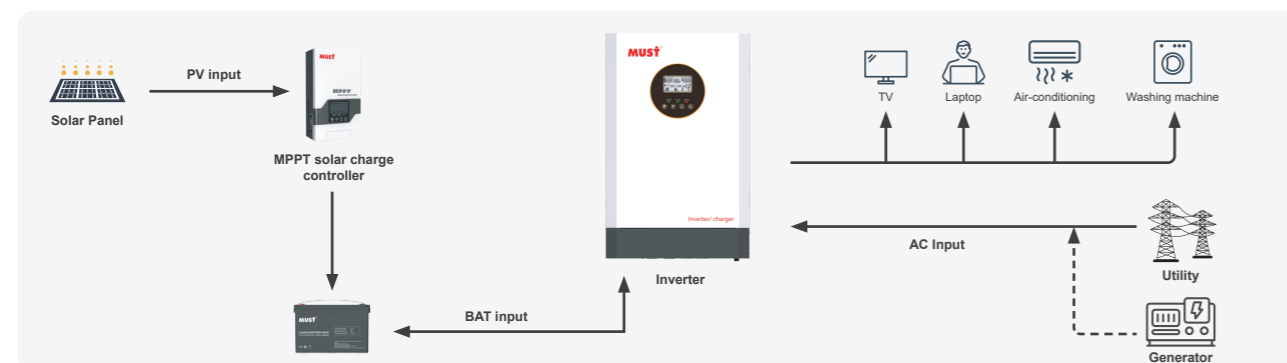


- Pure sine wave inverter
- Configurable input voltage range for home appliances and personal computers via LCD setting
- Configurable battery charging current based on applications via LCD setting
- Configurable AC Charger via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload/ Over temperature/ short circuit protection
- Smart battery charger design for optimized battery performance
- Acid or Lithium select
- Parallel operation with up to 3 units (optional)
- WIFI remote monitoring (optional)
- With BMS lithium battery communication function (CAN port)

Back panel description



Solar system connection



MODEL	EP18-3024 PRO	EP18-5248 PRO
Rated output power	3000VA/3000W	5200VA/5200W
Surge Power	6000W	10400W
AC INPUT		
Nominal Input Voltage	230Vac±5%	
Selectable Voltage range	170~280VAC(UPS) / 90~280VAC(APL) / 184~253VAC(VDE)	
Frequency Range	50Hz/60Hz (Auto sensing)	
Inverter Efficiency(Peak)	90%	
INVERTER OUTPUT		
Output voltage waveform	Pure sine wave	
Output Voltage Regulation	230Vac ± 5%	
Output Frequency	50Hz / 60Hz(Auto sensing)	
Power Factor	≈1	
Transfer Time	10ms typical (UPS/VDE4105)/20ms typical (APL)<50m typical (For parallel operation)	
Nominal DC Input Voltage	24VDC	48VDC
Cold Start Voltage	23VDC	46VDC
Output Short Circuit Protection	Line mode	Circuit Breaker
	Battery mode	Electronic Circuits
BATTERY		
Battery voltage	24VDC	48VDC
Floating voltage	27.4VDC	54.8V
Overcharge Protection	30VDC	60V
CHARGER		
Charging Current(UPS) @Nominal Input Voltage	Default:30A; MAX:80A	
Bulk Charging Voltage	28.2Vdc	56.4Vdc
Floating Charging Voltage	27Vdc	54Vdc
Charging Algorithm	3-Step(Flooded Battery, AGM/Gel/LEAD Battery), 4-Step(LI)	
GENERAL		
Mounting	Wall mount	
Display	LED+LCD	
Parallel operation	3 units(optional)	
Operation Temperature Range	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	
Standard Warranty	1 year	
MECHANICAL SPECIFICATIONS		
Machine Dimension (W*H*D)(mm)	488*295*141mm	
Package Dimension (W*H*D)(mm)	581*400*251mm	
N.W(kg)	10	
G.W(kg)	12	
CERTIFICATION & STANDARDS		
CE		

*The technical specifications of this document are subject to change without any notice