

Portable UPS System

MESS Series 300W-7KW

Single Phase



Product Advantages

- 3 times peak power; excellent loading capability.
- Combine inverter/solar controller/battery all in one.
- Multiple output: 2*AC output socket, 4*DC 12M, 2*USB.
- Working mode AC prior/ECO mode/Solar prior selectable.
- AC charging current 0-10A selectable.
- LVD/HVD/Charging voltage adjustable, suitable for kinds of battery
- Adding fault code to monitor real-time work situations.
- Continuous stable pure sine wave output with inbuilt AVR stabilizer.
- Digital LCD and LED for visualization of operation status of the equipment
- Inbuilt automatic AC charger and AC mains switcher; switch time < 4ms.



PRODUCT PARAMETERS

Model: MESS	301	501	1P1	15P1	20P2	30P2	15P4	20P4	30P4	40P4	50P4	60P4	70P4	
Capacity	Rated Power	300w	500w	1000w	1500w	2000w	3000w	1500w	2000w	3000w	4000w	5000w	6000w	7000w
	Peak Power (20ms)	900va	1500va	3000va	4500va	6000va	9000va	4500va	6000va	9000va	12kva	15kva	18kva	21kva
Input	Standard Battery Voltage	12vdc			24vdc			48vdc						
	AC input voltage range	73~138VAC(110VAC)/ 83~148VAC (120VAC)/ 145~275VAC(220VAC)/ 155~285VAC(230VAC)/ 165~295VAC(240VAC)			85VAC-138VAC (110VAC) / 95VAC-148VAC (120VAC) / 170VAC-275VAC (220VAC)/ 180VAC-285VAC (230VAC)/ 190VAC-295VAC (240VAC)									
Output	AC input frequency range	45Hz~55Hz (50Hz);55Hz~65Hz (60Hz)												
	Conversion efficiency	≥85%(Battery mode); >99%(AC mode)												
	AC Output voltage	110VAC±2%/120VAC±2% / 220VAC±2%/ 230VAC±2%/ 240VAC±2%(Battery mode); 110VAC±10%/120VAC±10% / 220VAC±10% / 230VAC±10% / 240VAC± 10%(AC mode)												
	AC Output frequency	50/60Hz± 1 % (Battery mode); Tracking Automatically (AC mode)												
	AC Output waveform	Pure Sine Wave												
	THD	<3% (Linear load)												
AC charger	DC Output voltage	4*DC12V;2*USB (5V)			4*DC12V; 4*USB (5V)									
	AC charging current	0~30A(Depends on model)												
solar charger (Optional)	AC charging method	Three-stage(constant current, constant voltage, floating charge)												
	Charging mode	PWM			PWM/MPPT									
	Max PV Input Voltage(Voc) (At the lowest temperature)	50V			PWM: 50V; MPPT: 150V			PWM: 100V; MPPT: 150V						
	PV input voltage range	15V-44V			PWM: 30V~44V; MPPT: 30V~120V			PWM: 60V-88V; M PPT: 60V-120V						
	Charge & discharge current	20A		40A		60A								
	Max PV input power	280W		560W		1680W			3360W					
Built int Battery	Capacity	1*50AH		1*100AH		2*200AH			4*200AH					
	Battery size (LxWx H)/pcs	229*138*210(228)		407*174*210(240)		522*240*218 (244)								
	Type	Gel/Lithium Battery												
Other	Transfer time	<4ms												
	Protection	With over-voltage, low-voltage, overload, short circuit, high temperature protections												
	Display	LCD & LED												
	Cooling way	Cooling fan in intelligent control												
Communication (Optional)	RS485/APP (WIFI monitoring or GPRS monitoring) (Models below 1000W (including 1000W) are not supported)													
Working mode (selectable)	d1	AC priority mode												
	d2	ECO mode												
	d3	Solar priority mode												
Work environment	Operating temperature	-10°C~40°C												
	Storage temperature	-15°C~60°C												
	Elevation	2000m (More than derating)												
	Humidity	0%~95% ,No condensation												
Physical	Dimention Lx Wx H(mm)	358*192*390		488*232*450		560*350*928			610*535*960					
	Net weight(kg) (without battery)	8	10	16	37	39	43	53	55	59	61	63	64	66
Package	Dimention LxWxH(mm)	400*252*500		550*295*625		638*427*1063			688*612*1093					
	Gross weight(kg) (without battery)	11	13	21	47	49	53	68	70	74	76	78	79	81
	Quantity/CTN	1pcs/wooden box												