

Portable UPS System

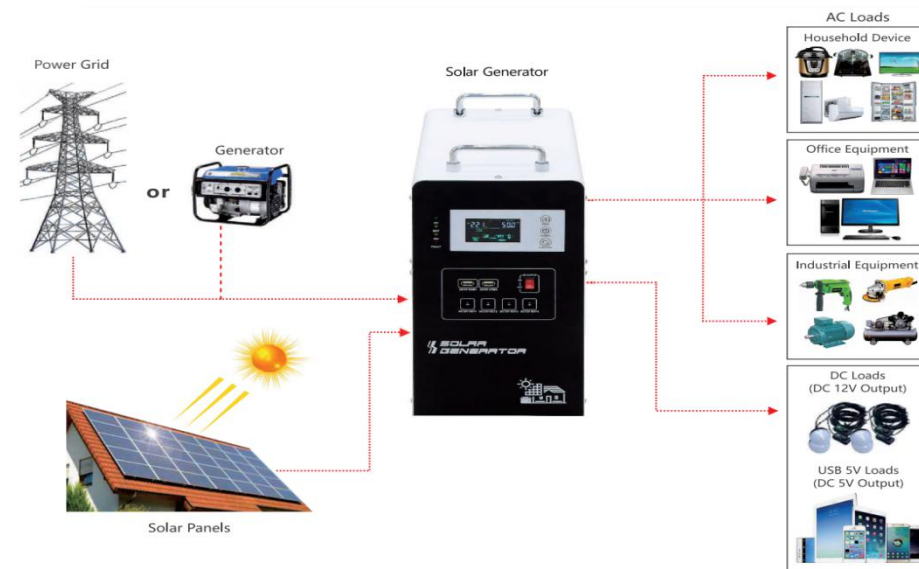
MESS Series 300W-7KW

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	z85%(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													
Working mode (selectable)	Communication (Optional)	RS485/APP (WIFI monitoring or GPRS monitoring) (Models below 1000W (including 1000W) are not supported)													
	d1	AC priority mode													
Work environment	d2	ECO mode													
	d3	Solar priority mode													
	Operating temperature	-10°C~40°C													
	Storage temperature	-15°C~60°C													
Physical	Elevation	2000m (More than derating)													
	Humidity	0%~95% ,No condensation													
	Dimension Lx Wx H(mm)	358*192*390		488*232*450		560*350*928			610*535*960						
Package	Net weight(kg) (without battery)	8	10	16	37	39	43	53	55	59	61	63	64	66	
	Dimension 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														

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PORTABLE SOLAR GENERATOR

Combine Inverter , Solar Controller , Battery All In One



48V/5KW off grid solar generator system wiring

Solar Panel: Total 8pcs 330W solar panel
(2pcs connect in series for one group, total 4 groups in parallel)

