

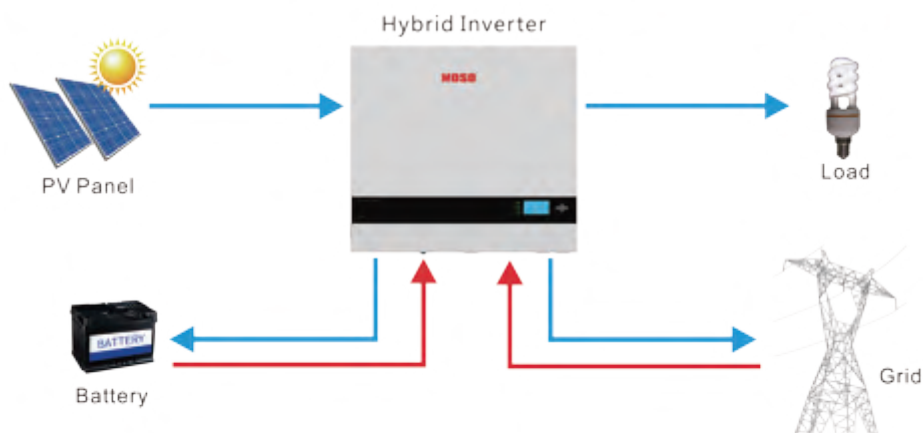
SH2048/3048



Features:

- Intelligent energy management, maximize power yield
- Off-grid and grid-connected switch automatically,uninterrupted power supply
- Multistage charging mode,intelligent battery management function

Hybrid Solar System




Technical Date

Model	SH2048	SH3048
Nominal power	2kW	3kW
PV input(DC)		
Max PV input power	3kW	4.5W
Max recommended input power	2.25kW-3kW	3.5kW
Start up voltage	100Vdc	
Max DC voltage	550Vdc	
Full load MPPT voltage range	250Vdc ~ 450Vdc	
MPPT voltage range/Rated voltage	150Vdc ~ 450Vdc /360Vdc	
MPPT tracker/ Max DC input current	1/1 × 13A	1/1 × 18A
AC input		
AC input voltage range	170 – 280 Vac	
Rated frequency	50/60Hz	
Max input current	17 A	25 A
Battery output (AC)		
Rated AC voltage	208/220/230/240 Vac	
Rated frequency	50/60Hz	
Output waveform	Pure sine wave	
Efficiency (BAT to AC peak)	92.50%	93.00%
On-grid output (AC)		
Rated output voltage	208/220/230/240 Vac	
Output voltage range	184-264.5 Vac	
Output frequency	50/60Hz	
Rated output current	8.7 A	13A
Max efficiency	95%	96%
Euro efficiency	94%	95%
Charger		
Rated voltage	48 V	
Rated current	30 A	
Battery		
Type	Lithium/ Lead Acid/ Gel	
Capacity	48V/50~2000Ah	
Dimensions and weight		
Net dimension (W*H*D)	516*467*107mm	
Gross dimension (W*H*D)	610*560*215 mm	
Net weight/Gross weight	15kg /18kg	
Environment		
Working temperature and humidity	-10 °C~+40 °C / 0 ~ 90% (Non-condensing)	
Storage temperature	-10-70 °C	
Altitude	0 ~ 1000 m	
Warranty (2/5/7 Years)	Standard/Opt./Opt.	