

Full Datasheet — EASTAR / OUYAD HYGMAX Series



Power Specifications

Model	HYG4.2KW	HYGMAX-6.2KW	HYGMAX-8.2KW	HYGMAX-10.2KW
Rated Power (W)	4200	6200	8200	10200
Surge Power (W)	8400	12400	16400	20400

PV Input Specifications

Parameter	Value
Max DC Voltage	500 VDC
MPPT Range	90–450 VDC
Start-up / Feeding	90V / 120V
MPPT Trackers / Max A	1 / 27A

Grid Output Specifications

	4.2KW	6.2KW	8.2KW	10.2KW					
Voltage	220/230/240V	Normal Voltage	220/230/240V	Normal Voltage	220/230/240V	Normal Voltage	220/230/240V	Normal Voltage	220/230/240V
Voltage Range	195–253V	Voltage Range	195–253V	Voltage Range	195–253V	Voltage Range	195–253V	Voltage Range	195–253V
Efficiency	98%	Efficiency	98%	Efficiency	98%	Efficiency	98%	Efficiency	98%

Load Output Specifications

Parameter	4.2KW	6.2KW	8.2KW	10.2KW
Full Load	4200W	6200W	8200W	10200W
Second Load	1400W	2067W	2733W	3400W
Cut-off Voltage	22V	44V	44V	44V

### Battery & Charger Specifications

Parameter	4.2KW	6.2KW	8.2KW	10.2KW
Battery Voltage	24V	48V	48V	48V
Solar Charge Current	40A	40A	60A	60A
AC Charge Current	100A	100A	140A	140A

### Dimensions & Weight

Model	Dimensions (mm)	Weight (kg)
HYG4.2KW	420 × 310 × 110	11
HYGMAX-6.2KW	420 × 310 × 110	11
HYGMAX-8.2KW	420 × 310 × 110	14.2
HYGMAX-10.2KW	420 × 310 × 110	14.5