



Fancy Series

(IP65, 5 Year Warranty)



More Yield
90V-425V wider MPPT operation voltage range brings more power generation, start earlier and stop later. Super high PV to Inverter efficiency plus bigger maximum 200% PV oversizing input increase the cost performance significantly.



Switching Time < 4ms
Fancy series inverter can switch from grid power to battery backup in 4ms during a power outage to prevent most sensitive electronics from shutting down or rebooting. Ensures a seamless transition.



User Friendly
User-friendly design combines colorful touch LCD display, intelligent interface, and convenient features that enhance the user experience for both installers and end-users. The WiFi connection is also great for users who want to monitor solar performance anytime, anywhere



IP65 Protection, 5 Year Warranty
Fancy Series hybrid solar inverter is dust-proof and water-resistant with an IP65 protection rating to ensure reliable operation, safety, and longevity in real-world conditions, especially in outdoor or semi-outdoor installations. Users can enjoy a worry-free 5-year warranty.

Hybrid Solar Inverter

- 6 KW
- 8 KW
- 10 KW
- 12 KW



GENERAL SPECIFICATIONS		MCG-HY06-IVT	MCG-HY08-IVT	MCG-HY10-IVT	MCG-HY12-IVT
	Rated Capacity	6600 VA / 6000 W	8800 VA / 8000 W	11000 VA / 10000 W	13200 VA /12000 W
	PV Maximum Array Power	12000 Wp	16000 Wp	20000 Wp	24000 Wp
	PV Maximum Input Power	9600 Wp	12800 Wp	16000 Wp	19000 Wp
PV Input	Max. PV Input Voltage	510 VDC			
	Start-up Voltage	80 VDC			
	MPPT Range Operating Voltage	90 ~ 425 VDC			
	MPPT Efficiency	> 99%			
	Max input Current per MPPT	18+18	28 + 28		
	Max. SCC per MPPT	27+27	42 + 42		
	No.of MPP Trackers	2	2		
	No.of String Per MPP Tracker	1+1	2+2		
	Battery	Battery Type	Lithium / Lead-acid		
Nominal Battery voltage		48 V			
Voltage Range		40V -60V			
Max. Current		135 A	190 A	210 A	220 A
AC Input	Nominal voltage	220 / 230Vac, L / N / PE			
	Frequency	50 / 60 Hz (Auto Adaptive)			
	Max Input Current	30 A	40 A	50 A	60 A
	Rated Output Power	6600 VA / 6000 W	8800 VA / 8000 W	11000 VA / 10000 W	13200 VA /12000 W
	Max Output Current	28.7 A	38.3 A	47.8 A	57.3 A
AC Output	Nominal Voltage	230V			
	Nominal Frequency	50 / 60 Hz			
	Parallel	10 Units			
	Transfer Time	< 4 ms, On/Off grid Switching Time			
	Peak Power (Off-grid)	2 Times of Rated Power, 60s			
	Peak Efficiency	97.60%			
	Admissible Power Factor	~1 (-0.8lagging - 0.8leading)			
	Inverter Topology	Transformerless for PV side / HF for Battery Side			
	Surge Protection Level	TYPE II (DC), TYPE II (AC)			
	Dimensions(D*W*H, mm)	411 * 631 * 236 mm			
	Net Weight (Kg)	28.6 kg	28.6 kg	30 kg	31 kg
Physical	Cooling	Intelligent Air Cooling			
	Communication Interface	LED + LCD / CAN, RS485, CT, NTC, WiFi			
	Ingress Protection	IP65			
	Noise (dB)	< 45			
	Operating Temperature Range	-25 to +60°C, >45°C Derating			
	Storage Temperature	-25 °C -70 °C			
	Altitude (m)	< 3000m			
	Humidity	5% ~ 95% (Non-condensing)			

* Product specifications are subject to change without further notice.