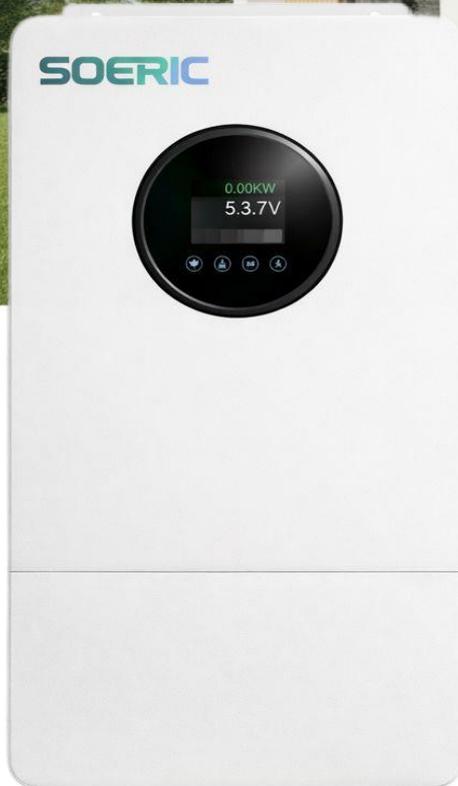


# Single Phase Hybrid Inverter

DFHY5.5KW

**SOERIC**



MPPT with 500VDC Max voltage input and 80A Max PV charging



Parallel up to 9 units



Wifi monitoring enabled



Lithium ion battery and BMS compatibility



Detachable dust cover

# Technical Data

Parameter	Specification
Model	DFHY5.5KW
<b>AC Input</b>	
Rated Input Voltage (VAC)	208/220/230/240L+N+PE
Voltage Range (VAC)	90~280±3(normal mode) 170~280±3(UPS mode)
Frequency(Hz)	50/60 (Auto Adaptive)
<b>AC Output</b>	
Rated Capacity (kW)	6
Surge Power (kVA)	10
Voltage (VAC)	208/220/230/240
Power Factor(DF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10 (normal mode)/10 (UPS mode)
Wave Form	Pure Sine Wave
	60s@102%~110% load
	10s@110%~130% load
	3s@130%~150% load
Overload Capacity (Battery Mode)	0.2s@>150% load
Max. Efficiency (Battery Mode)	93%@48VDC
Parallel Quantity	9
<b>Charger (PV / AC)</b>	
Solar Charger Type	MPPT
Max PV Input Current/Input Power	18A / 6000W
MPPT Range @ Operating Voltage (VDC)	120~450
Max PV Open Circuit Voltage (VDC)	500
Max PV Charge Current (A)	80
Max AC Charge Current (A)	80
Max. Charge Current (PV + AC)(A)	80
<b>Battery</b>	
Rated Voltage (VDC)	48
Floating Charge Voltage (VDC)	54
Overcharge Protection (VDC)	61
Battery Type	Lithium and Lead-acid
<b>Interface</b>	
HMI	LCD
Interface	RS485/RS232/USB /Dry Contact
Monitoring	WiFi (Optional)
<b>General Data</b>	
Ingress Protection	IP20
Operating Temperature	~10°C~50°C
Relative Humidity	5%~95% (Non-condensing)
Storage Temperature	~15°C~60°C
Net Weight (kg)	8.73
Dimensions (WHD)	470*305*110mm (without bracket)
Max. Operating Altitude	4000m (Derating above 1000m)