



# Hybrid Series



Hybrid Flyer<sup>®</sup>



	Hybrid Flyer	Remarks
Configuration	41" 2blade *4	Series Hybrid
MTOW	35kg	
Max Payload	5kg	
Max Operating Time	90min	
Max Engine Output	6kW	OTC No Vibration Engine
Engine Displacement	125cc	Φ43*43*2*Single Syl. (2piston)
Min Fuel Consumption	250g/kWh	MOGAS RON91
Max Electric Output	5kW	
Battery	4000mAh	LiPo 14S
TRL	TRL9	SOP Dec 2025

*Hybrid Multi-copter Drone for Long Duration Flights*

Ishikawa Energy Research Co.,Ltd.  
Call +81-277-46-8155  
<https://ier.co.jp/>



# Hybrid Series

## PHF

Parallel Hybrid Flyer<sup>®</sup>



Patented

	Parallel Hybrid Flyer	Remarks
Configuration	Main 48" 4blade*2 Sub 40" Co-axial *4	Parallel Hybrid Main 40% Sub60%
MTOW	149kg	
Max Payload	60kg	
Max Operating Time	90min	
Max Engine Output	40kW	OTC No Vibration Engine
Engine Displacement	800cc	Φ67*57*2*2cyl. (4piston)
Min Fuel Consumption	250g/kWh	MOGAS RON91
Max Electric output	15kW	For Sub Routers & PTO
Battery	6000mAh	LiPo 72S
TRL	TRL7	SOP in Two Years

*Parallel Hybrid Multi-copter Drone Suitable  
for Long Duration Flight with Heavy Payload*

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