

Rating specifications of EcoFlow OCEAN 2 Hybrid Inverter Three-Phase								
Model	EF HD-P3-3K-G2F, EF HD-P3-3K-G2	EF HD-P3-4K-G2F, EF HD-P3-4K-G2	EF HD-P3-5K-G2F, EF HD-P3-5K-G2	EF HD-P3-6K-G2F, EF HD-P3-6K-G2	EF HD-P3-8K-G2F, EF HD-P3-8K-G2	EF HD-P3-10K-G2F, EF HD-P3-10K-G2	EF HD-P3-12K-G2F, EF HD-P3-12K-G2	EF HD-P3-15K-G2F, EF HD-P3-15K-G2, EF HD-P3-15K0-S2F
PV Input								
Number of MPP Trackers	3							
Number of Strings per MPPT	1							
Max. Input Power per MPPT(W)	6000	8000	8000	8000	8000	8000	8000	8000
Max. Input Voltage ¹ (V)	1000							
PV Operating Voltage Range(V)	50~1000							
MPPT Voltage Range at Rated Power(V)	400~850							
MPPT Start-up Voltage(V)	120							
Max. Total Input Power(W)	6000	8000	10000	12000	16000	20000	24000	24000
Max. Input Current per MPPT(A)	20							
Max. Short Circuit Current per MPPT(A)	25							
AC Input/Output (On-Grid)								
Nominal Output Power(W)	3000	4000	5000	6000	8000	10000	12000	15000
Nominal Output Apparent Power(VA)	3000	4000	5000	6000	8000	10000	12000	15000
Max. Output Apparent Power(VA)	3300	4400	5000	6600	8800	11000	13200	15000
Supported Power Grid Types	Supports TN-S, TN-C, TN-C-S, TT systems							
Nominal Voltage(V)	L-L: 380/400Vac; L-N: 220/230Vac; 3L+N+PE							
Nominal Frequency(Hz)	50/60Hz							
Nominal Output Current(A)	4.3 @ 230V 4.5 @ 220V	5.8 @ 230V 6.1 @ 220V	7.2A@230V; 7.6A@220V;	8.7A@230V; 9.1A@220V;	11.6A@230V; 12.2A@220V;	14.5A@230V; 15.2A@220V;	17.4A@230V; 18.2A@220V;	21.7 @ 230V 22.7 @ 220V
Max. Output Current(A)	5.3	7.1	8.9	10.7	14.3	17.8	21.4	25.0
Max. Input Current(A)	63							
Power Factor	0.8 leading ~ 0.8 lagging							
THDi at Full Load	Current Total Harmonic Distortion ≤3%							
AC Output (Backup)								
Nominal Output Power(W)	3000	4000	5000	6000	8000	10000	12000	15000
Nominal Output Apparent Power(VA)	3000	4000	5000	6000	8000	10000	12000	15000
Max. Output Apparent Power(VA)	3300	4400	5500	6600	8800	11000	13200	15000
Nominal voltage(V)	L-L:380/400Vac; L-N: 220/230Vac; 3L+N+PE							
Nominal frequency(Hz)	50/60Hz							
Nominal Output current(A)	4.3 @ 230V 4.5 @ 220V	5.8 @ 230V 6.1 @ 220V	7.2A@230V; 7.6A@220V;	8.7A@230V; 9.1A@220V;	11.6A@230V; 12.2A@220V;	14.5A@230V; 15.2A@220V;	17.4A@230V; 18.2A@220V;	21.7 @ 230V 22.7 @ 220V
Power Factor	0.8 leading ~ 0.8 lagging							
Off-grid THDu	≤2%							
Battery Input/Output								
Rated Voltage(V)	800							
Voltage Range(V)	720~960							
Battery Capacity	Up to 12 Battery Modules							
Max. Charge Current of Stacking Terminal (A)	12.0	16.0	20.0	20.8				
Max. Continuous Discharge Current of Stacking Terminal (A)	4.5	6.0	7.5	9.0	12.0	15.0	18.0	20.4
Max. Charge Current of Expansion Terminal (A)	12.0	16.0	20.0	24.0	28.0	28.0	28.0	28.0
Max. Continuous Discharge Current of Expansion Terminal (A)	4.5	6.0	7.5	9.0	12.0	15.0	18.0	20.4

Others								
Max. efficiency	97.10%	97.60%	97.60%	97.80%	97.80%	97.80%	97.80%	97.80%
Relative Humidity	0% ~ 100%							
Operating Temperature Range	-20°C~60°C ²							
Protective Class	I							
Operating Altitude(m)	3000							
Ingress Protection Rating	IP66							
Weight(kg)	Approx. 36.5							
Dimension (W×D×H) (mm)	680×406.5×203							
Environmental Category	Outdoor/Indoor							
Mounting Method	Floor Stand/Wall Mounted							
Anti-theft	Supported							
Overvoltage Category	OVC II(DC), OVC III(AC)							
Manufacture	Made in China							
1 PV input voltage should not exceed the specified maximum value. Exceeding this limit may trigger system protection or affect normal operation. 2 In On-grid mode, to meet low noise limits, PV module derating begins at 30°C; Inverter module derating begins at 35°C. In Off-grid mode, derating begins at 40°C.								

Rating specifications of EcoFlow OCEAN 2 Hybrid Inverter Three-Phase					
Model	EF HD-P3-5K0-S2F, EF HD-P3-5K0-S2	EF HD-P3-6K0-S2F, EF HD-P3-6K0-S2	EF HD-P3-8K0-S2F, EF HD-P3-8K0-S2	EF HD-P3-10K0-S2F, EF HD-P3-10K0-S2	EF HD-P3-12K0-S2F, EF HD-P3-12K0-S2
PV Input					
Number of MPP Trackers	3				
Number of Strings per MPPT	1				
Max. Input Power per MPPT(W)	8000	8000	8000	8000	8000
Max. Input Voltage ¹ (V)	1000				
PV Operating Voltage Range(V)	50~1000				
MPPT Voltage Range at Rated Power(V)	500~850				
MPPT Start-up Voltage(V)	120				
Max. Total Input Power(W)	10000	12000	16000	20000	24000
Max. Input Current per MPPT(A)	16				
Max. Short Circuit Current per MPPT(A)	20				
AC Input/Output (On-Grid)					
Nominal Output Power(W)	5000	6000	8000	10000	12000
Nominal Output Apparent Power(VA)	5000	6000	8000	10000	12000
Max. Output Apparent Power(VA)	5000	6600	8800	11000	13200
Supported Power Grid Types	Supports TN-S, TN-C, TN-C-S, TT systems				
Nominal Voltage(V)	L-L: 380/400Vac; L-N: 220/230Vac; 3L+N+PE				
Nominal Frequency(Hz)	50/60Hz				
Nominal Output Current	7.2A@230V; 7.6A@220V;	8.7A@230V; 9.1A@220V;	11.6A@230V; 12.2A@220V;	14.5A@230V; 15.2A@220V;	17.4A@230V; 18.2A@220V;
Max. Output Current(A)	8.9	10.7	14.3	17.8	21.4
Max. Input Current(A)	63				
Power Factor	0.8 leading ~ 0.8 lagging				
THDi at Full Load	Current Total Harmonic Distortion ≤3%				
AC Output (Backup)					
Nominal Output Power(W)	5000	6000	8000	10000	12000
Nominal Output Apparent Power(VA)	5000	6000	8000	10000	12000
Max. Output Apparent Power(VA)	5500	6600	8800	11000	13200
Nominal frequency(Hz)	50/60Hz				
Nominal Output current(A)	7.2A@230V; 7.6A@220V;	8.7A@230V; 9.1A@220V;	11.6A@230V; 12.2A@220V;	14.5A@230V; 15.2A@220V;	17.4A@230V; 18.2A@220V;
Power Factor	0.8 leading ~ 0.8 lagging				
Off-grid THDu	≤2%				
Battery Input/Output					
Rated Voltage(V)	800				
Voltage Range(V)	720~960				
Battery Capacity	Up to 12 Battery Modules				
Max. Charge Current of Stacking Terminal (A)	20.0	20.8			
Max. Continuous Discharge Current of Stacking Terminal (A)	6.8	9.0	12.0	15.0	18.0
Max. Charge Current of Expansion Terminal (A)	20.0	24.0	28.0	28.0	28.0
Max. Continuous Discharge Current of Expansion Terminal (A)	6.8	9.0	12.0	15.0	18.0
Others					
Max. efficiency	97.60%	97.80%	97.80%	97.80%	97.80%

Relative Humidity	0% ~ 100%
Operating Temperature Range	-20°C~60°C ²
Protective Class	I
Operating Altitude(m)	3000
Ingress Protection Rating	IP66
Weight(kg)	Approx. 36.5
Dimension (W×D×H) (mm)	680×406.5×203
Environmental Category	Outdoor/Indoor
Mounting Method	Floor Stand/Wall Mounted
Anti-theft	Supported
Overvoltage Category	OVC II(DC), OVC III(AC)
Manufacture	Made in China
1 PV input voltage should not exceed the specified maximum value. Exceeding this limit may trigger system protection or affect normal operation. 2 In On-grid mode, to meet low noise limits, PV module derating begins at 30°C; Inverter module derating begins at 35°C. In Off-grid mode, derating begins at 40°C.	

Company Name: EcoFlow Inc

Date: 2026.04.01

Ray. Zhao