



Photo for Reference

Part number

PR-JL-IN/OFGH15K-30K-2/3M3P	Three Phase On/Off grid Solar Hybrid Inverter, with nominal output power of 15000W-30000W, supporting 2/3 channels of Maximum Power Point Tracking (MPPT)
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Features

Integrated dry contact for external loads
Peak shaving
Elegant and compact design
Plug & Play installations
Type II SPD on DC side
Max. 15A DC input current per string
Up to 150% DC input oversizing

Battery Input Data

PR-JL-INO/FGH	15K-2M3P	20K-2M3P	25K-3M3P	29.9K-3M3P	30K-3M3P
Battery Type	Li-Ion				
Nominal Battery Voltage (V)	500				
Battery voltage range (V)	200 ~ 800				
Start-up Voltage (V)	200				
Number of Battery Input	1	1	2	2	2
Max. Continuous Charging Current (A)	50	50	50*2	50*2	50*2
Max. Continuous Discharging Current (A)	50	50	50*2	50*2	50*2
Max. Charging Power (W)	15000	20000	25000	30000	30000
Max. Discharging Power (W)	15000	20000	25000	30000	30000

PV String Input Data

Max. Input Power (W)	22500	30000	37500	45000	45000
Max. Input Voltage (V)	1000				
MPPT Operating Voltage Range (V)	200 ~ 850				
Start-up Voltage (V)	200				
Nominal Input Voltage (V)	620				
Max. Input Current per MPPT (A)	30				
Max. Short Circuit Current per MPPT (A)	38				
Number of MPP Trackers	2	2	3	3	3
Number of Strings per MPPT	2 / 2	2 / 2	2 / 2 / 2	2 / 2 / 2	2 / 2 / 2

AC Output Data (On-grid)

Nominal Output Power (W)	15000	20000	25000	29900	30000
Nominal Apparent Power Output to Utility Grid (VA)	15000	20000	25000	29900	30000
Max. Apparent Power Output to Utility Grid (VA)	16500	22000	27500	29900	33000

Max. Apparent Power from Utility Grid (VA)	15000	20000	25000	30000	30000
Nominal Output Voltage (V)	380 / 400, 3L / N / PE				
Output Voltage Range (V)	0 ~ 300				
Nominal AC Grid Frequency (Hz)	50 / 60				
AC Grid Frequency Range (Hz)	45 ~ 65				
Max. AC Current Output to Utility Grid (A)	23.9	31.9	39.9	43.3	47.8
Max. AC Current From Utility Grid (A)	22.7	30.3	37.9	45.3	45.5
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)				
Max. Total Harmonic Distortion	≤3.05%				

AC Output Data (Back-up)

Back-up Nominal Apparent Power (VA)	15000	20000	25000	29900	30000
Max. Output Apparent Power without Grid (VA)	15000 (18000@60s, 24000@3s)	20000 (24000@60s, 32000@3s)	25000 (30000@60s)	30000 (36000@60s)	30000 (36000@60s)
Max. Output Apparent Power with Grid (VA)	15000	20000	25000	29900	30000
Max. Output Current (A)	22.7 (27.3@60s, 36.4@3s)	30.3 (36.4@60s, 48.5@3s)	37.9 (45.5@60s)	45.5 (54.5@60s)	45.5 (54.5@60s)
Nominal Output Voltage (V)	380 / 400				
Nominal Output Frequency (Hz)	50 / 60				
Output THDv (@Linear Load)	<3%				

Efficiency

Max. Efficiency	98.0%
European Efficiency	97.5%
Max. Battery to AC Efficiency	97.5%
MPPT Efficiency	99.9%

Protection

PV String Current Monitoring	Integrated
PV Insulation Resistance Detection	Integrated
Residual Current Monitoring	Integrated
PV Reverse Polarity Protection	Integrated
Battery Reverse Polarity Protection	Integrated
Anti-islanding Protection	Integrated
AC Overcurrent Protection	Integrated
AC Short Circuit Protection	Integrated
AC Overvoltage Protection	Integrated
DC Switch	Integrated
DC Surge Protection	Type II
AC Surge Protection	Type III
AFCI	Optional
Rapid Shutdown	Optional
Remote Shutdown	Integrated

General Data

Operating Temperature Range (°C)	-35 ~ +60				
Relative Humidity	0 ~ 95%				
Max. Operating Altitude (m)	4000				
Cooling Method	Smart Fan Cooling				
User Interface	LED, WLAN + APP				
Communication with BMS	RS485 / CAN				
Communication with Meter	RS485				
Communication with Portal	WiFi + LAN + Bluetooth				
Weight (kg)	48	48	54	54	54
Dimension (W × H × D mm)	520 × 660 × 220				
Noise Emission (dB)	<45	<45	<45	<60	<60
Topology	Non-isolated				
Self-consumption at Night (W)	<15				
Ingress Protection Rating	IP66				
Mounting Method	Wall Mounted				

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