

# JR65 Series



## Features :

- 2:1 & 4:1, 9V ~ 75V Input Range
- Thermal Shutdown
- Soft Start
- Under Voltage Lock Out Protection
- Over Voltage Lock Out Protection
- Remote On /Off Control
- Short Circuit Protection
- Over Voltage Protection
- 2 Years Warranty



## Model List

Model Number*	Input Voltage VDC	Output Voltage VDC	Output Current mA	Efficiency @Max. Load % (Typ.)
JR65-12S05V	9~18	5	11000	82
JR65-12S12V		12	5400	83
JR65-12S15V		15	4300	84
JR65-12D05V		±5	±6500	82
JR65-12D12V		±12	±2700	86
JR65-12D15V		±15	±2150	86
JR65-24S05V	18~36	5	11000	82
JR65-24S12V		12	5400	86
JR65-24S15V		15	4300	86
JR65-24D05V		±5	±6500	82
JR65-24D12V		±12	±2700	85
JR65-24D15V		±15	±2150	85
JR65-48S05V	36~75	5	11000	83
JR65-48S12V		12	5400	86
JR65-48S15V		15	4300	86
JR65-48D05V		±5	±6500	82
JR65-48D12V		±12	±2700	85
JR65-48D15V		±15	±2150	85
JR65-412S05V	9~36	5	11000	82
JR65-412S12V		12	5400	85
JR65-412S15V		15	4300	86
JR65-412D05V		±5	±6500	82
JR65-412D12V		±12	±2700	86
JR65-412D15V		±15	±2150	86
JR65-424S05V	18~75	5	11000	82
JR65-424S12V		12	5400	85
JR65-424S15V		15	4300	86
JR65-424D05V		±5	±6500	82
JR65-424D12V		±12	±2700	85
JR65-424D15V		±15	±2150	86

V1.0.1 2013

## Input Specifications

Input Filter		Pi Type
Surge Voltage (100 ms max.)	12Vin Models:	25V max.
	24Vin Models:	50V max.
	48Vin Models:	100V max.

## Output Specifications

Output Power		65W max.
Voltage Set Accuracy		±2%
Line Regulation (Low Line, High Line at Full Load)		±0.5%
Load Regulation (0% to 100% Full Load)	Single:	±0.5%
	Dual:	±2%
Ripple and Noise (20MHz Bandwidth)	3.3, 5VDC Models:	80mVpk-pk max.
	Others Models:	1%Voutpk-pk max.
Short Circuit Protection		Indefinite (Automatic Recovery)
Minimum Load		0%
Capacitive Load	5 Vout Models:	8000μF max.
	12 Vout Models:	6000μF max.
	15 Vout Models:	5000μF max.
	±5 Vout Models:	4000μF max. (Each Output)
	±12 Vout Models:	3000μF max. (Each Output)
	±15 Vout Models:	2500μF max. (Each Output)

## Environmental Specifications

Operating Temperature Range (Ambient)		-40°C to +75°C (with Derating)
Maximum Case Temperature		+95°C
Storage Temperature Range		-55°C to +115°C
Cooling		Free-air Convection
Temperature Coefficient		±0.05%/°C max.
Humidity		95%

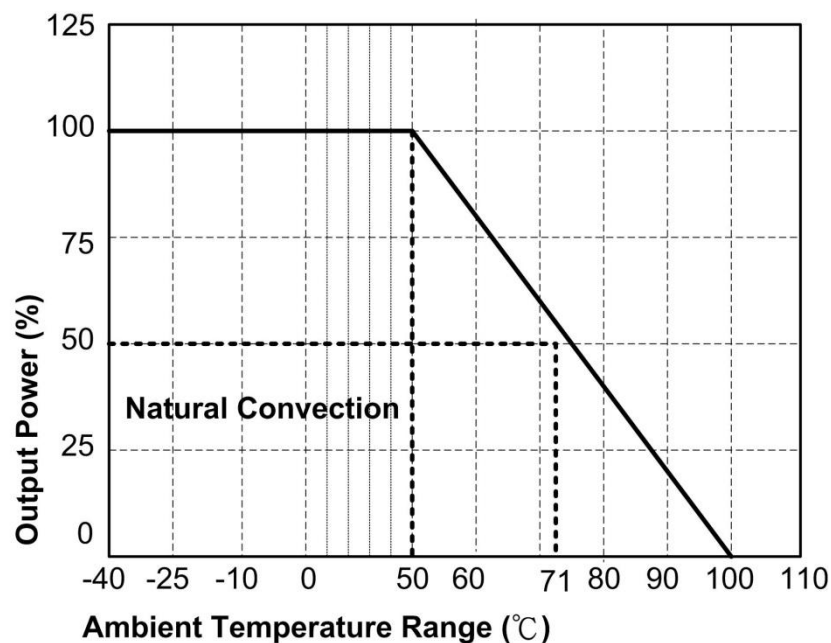
\*Note: The ON/OFF control function is optional. The model without control function is marked with suffix-A(eg. JR65-24S05A) and the control pin will be omitted. If you do not want function, please inform us on your order.

V1.0.1 2013

## General Specifications

Input Voltage Variation, dv/dt		Max. 5V
Over Load Protection (% of Full Load at Nominal Vin)		>110% typ.
Overvoltage Protection (Single)		Zener Diode Clamp
MTBF(MIL-HDBK-217F, at +25°C, Ground Benign)		>4×10 <sup>5</sup> Hours
Isolation Voltage (60 sec.)	Input/Output:	1500VDC
Isolation Capacitance	Input/Output:	1800pF typ.
Isolation Resistance	Input/Output(500VDC):	>1000Mohm
Switching Frequency (Fixed)		60kHz typ. (Pulse Width Modulation PWM)
Remote On/Off	On:	TTL High or Open Circuit
	Off:	TTL Low or Short Circuit
Safety Standards		CE Class B, UL Compliance
Conducted Noise		EN55022 EN55024

## Derating Graph



If you need more detailed information,  
please contact us via email at [sales@mail.longsun.tw](mailto:sales@mail.longsun.tw)

