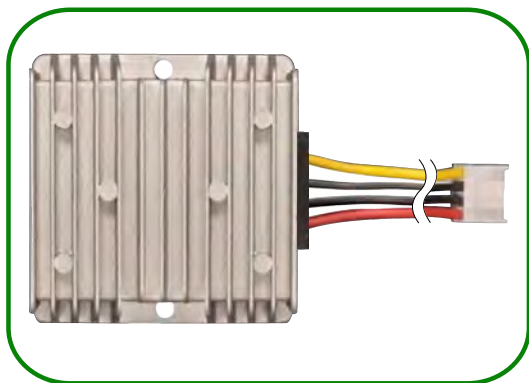


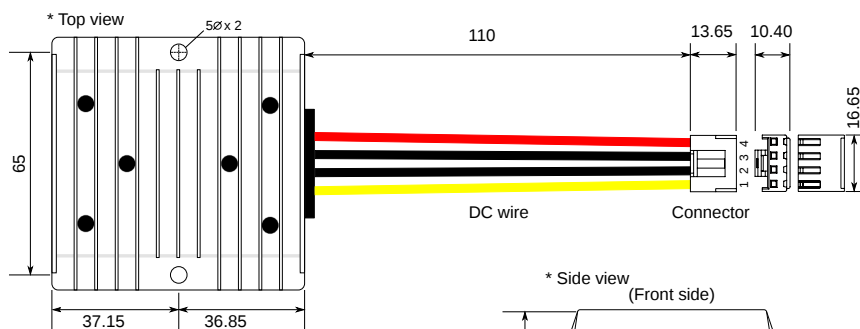
HDD180XX series 180W DC to DC Power Converter

SINGLE OUTPUT



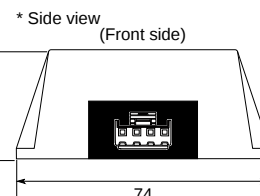
MECHANICAL DRAWING

● Dimension : L74x W74 x H32mm



SPECIFICATION

MODEL NAME		HDD18012	HDD18024
Input	Voltage	15VDC ~ 35VDC	
	Nominal/Rated	24VDC	
	Input current	<15A at 15VDC	
Output	Voltage	12VDC	24VDC
	Current	15A	8A
	Voltage tolerance	±5%	
	Ripple & Noise	150mV	240mV
	Max. output power	180W	196W
	Efficiency	> 90% at input 24VDC	
	Rise time	> 1ms < 20ms	
Protection	Over current	Auto-recovery mode	
	Over temperature	Auto-recovery mode	
	Short current	Auto-recovery mode	
Environment	Operating temperature	-25 °C ~ +65 °C	
	Storage temperature	-40 °C ~ +70 °C	
	Humidity	20% ~ 95%	
	MTBF	>10,000hrs at 25 °C	
	Waterproof level	IP68	
Module properties		Non-isolated buck module	
EMI requirements		EN55032 Class B, EN61000-4-2,3,4	
Design meet requirements		RoHS, CE	
Case material		Aluminum alloy & epoxy	
Dimension(L x W x H mm)		74 x 74 x 32 mm(max.)	
Power weight(N.W.)		260g ±5g	



* SR specification

PVC 45P Black

* DC wire specification

Item	Specification
1	UL1185 #18, Black x 2
2	UL1185 #18, Yellow x 1
3	UL1185 #18, Red x 1

* Connector specification

Item	Specification
1	Housing,3960-4P x 1
2	Terminal,3911 x 4

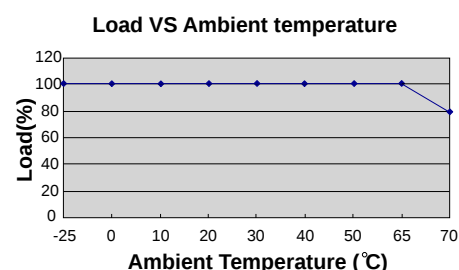
* Pin assignment

Pin 1	Output +12V(Yellow)
Pin 2	Output GND(Black)
Pin 3	Input GND(Black)
Pin 4	Input +15V~35V(Red)

* Bottom view(photo)



DE-RATING CURVE



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