

DC-12V5A

12V/5A DC Universal Adapter



Input

AC Voltage Range	100-280 VAC
AC Current	1.2A
Rated Power (Pin)	60W
Efficiency (Typ)	84.47%
Frequency Range	50/60Hz

Output

DC No Load Voltage	12.05 – 12.30 V
DC On Load Voltage Range	12.05 – 12.20 V
DC Current Range	5 Amps
DC Power Pout (max)	60W
Ripple & Noise Vp-p (max)	150mV
Setup Startup Time	96 ms

Environmental Limits

Working Temperature	-10° to 50°C
Case Temperature	+20°C from Ambient at Full Load
Working Humidity	-10°C to +50°C 10%RH to 90%RH

Mechanical Parameters

IP Protection	IP54
Housing Color	Black
Housing Dimension	140 x 58 x 30 mm
Output Cable Color	Black
Output Cable Length	1.2 metre
Length of the output connector	10 mm
Outer dia of the output connector	5.5 mm
Inner dia of the output connector	2.5 mm

Protection

Over Voltage	270 VAC
Over Current	5.8 A
DC Short Circuit	Yes

Product Safety

Withstand Voltage	Electrostatic Discharge: ±8kV(Air) ±4kV(Contact)
Isolation Resistance	3.0kV Between Input and Output
Protection	• IEC 61000-4-2: (ESD) Air Discharge: ±8kV, Contact Discharge: ±4kV • IEC 61000-4-6: (CS) 150 kHz to 80 MHz, 3Vrms (Level 2) • IEC 61000-4-3: (RS) 80MHz~6000MHz, 3V/m (Level 2) • CISPR22/32: Class A: CE test from 150KHZ to 30MHz, RE test 30MHz to 6GHz • EN 61000-4-8: Pulse Frequency Magnitude immunity test level at 3A/m • IEC 61000-4-4: Electrical Fast Transients +/-1kV on Power Lines • IEC 61000-4-5: Surge Test AC PoE: Input side (220V) : Differential mode ± 2kV. Common mode +/-4kV

Ordering Information	
Model No.	Description
HFCL-DC-12V5A	DC Universal Adapter 12V, 5A*

*Note: Type of input plug to be specified at time of ordering, else power cord with Indian plug will be supplied by default.

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